

Product datasheet for **UM800048CF**

HADHSC (HADH) Mouse Monoclonal Antibody [Clone ID: UMAB151]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB151
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:100~200
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 57-314 of human HADH (NP_005318) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	hydroxyacyl-CoA dehydrogenase
Database Link:	NP_005318 Entrez Gene 15107 Mouse Entrez Gene 113965 Rat Entrez Gene 3033 Human Q16836



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Background:

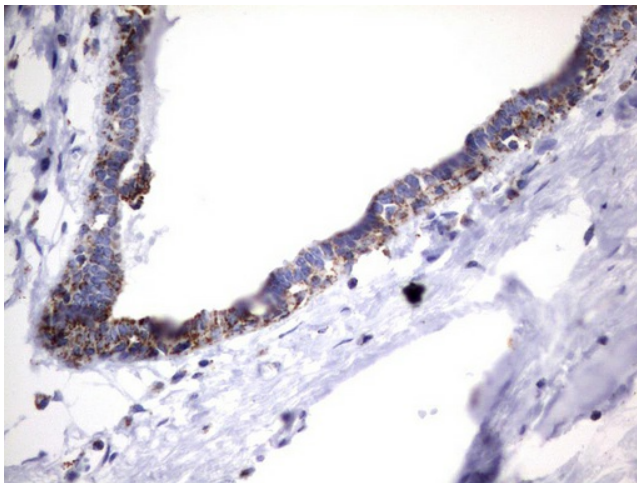
This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene of this gene on chromosome 15. [provided by RefSeq, May 2010]

Synonyms:

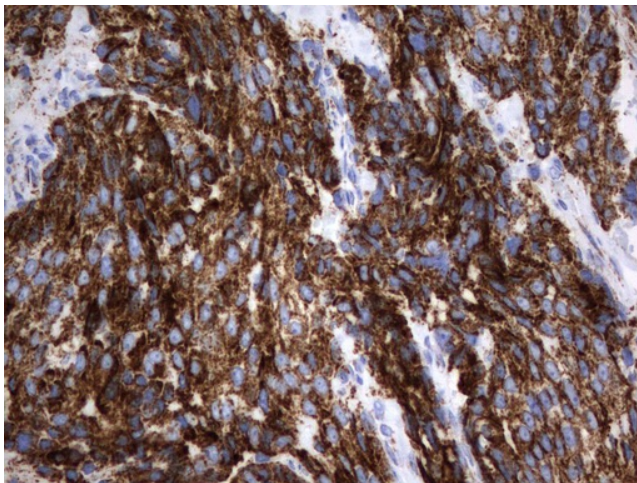
HAD; HADH1; HADHSC; HCDH; HHF4; MSCHAD; SCHAD

Protein Pathways:

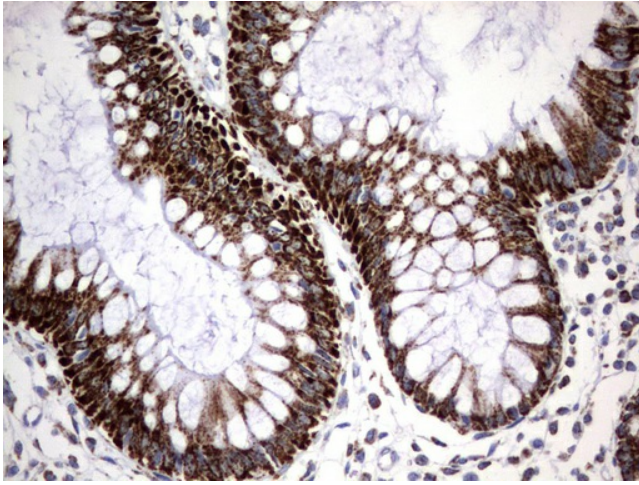
Butanoate metabolism, Fatty acid elongation in mitochondria, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Tryptophan metabolism, Valine, leucine and isoleucine degradation

Product images:

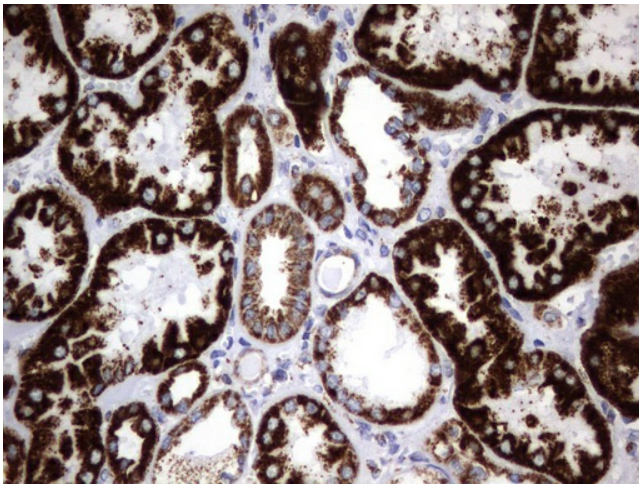
Immunohistochemical staining of paraffin-embedded Human breast tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



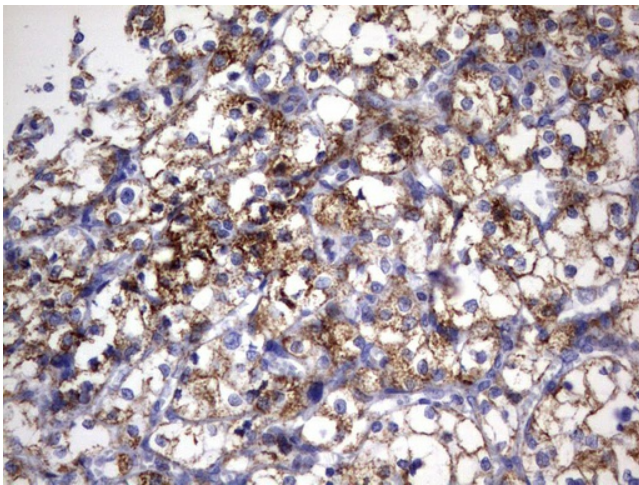
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



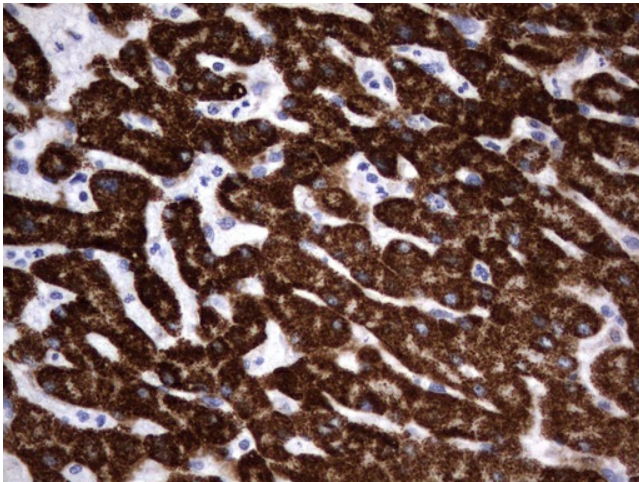
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



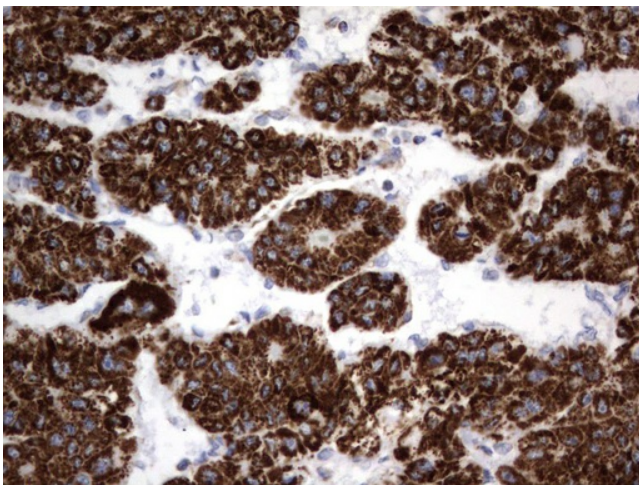
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



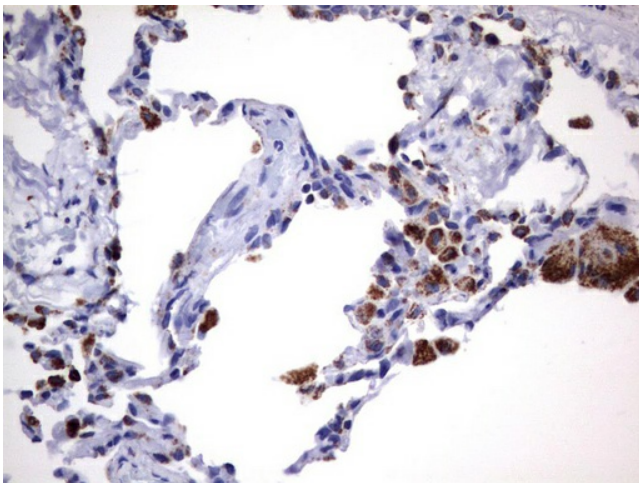
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



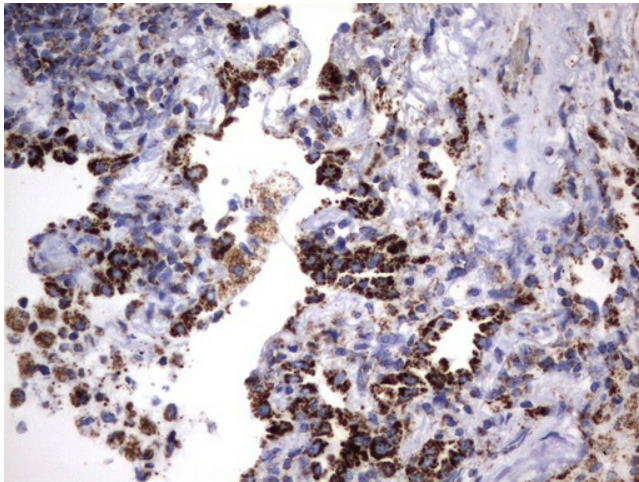
Immunohistochemical staining of paraffin-embedded Human liver tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



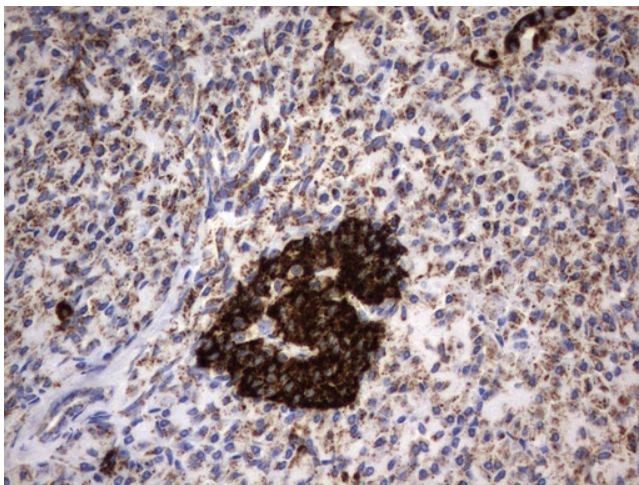
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



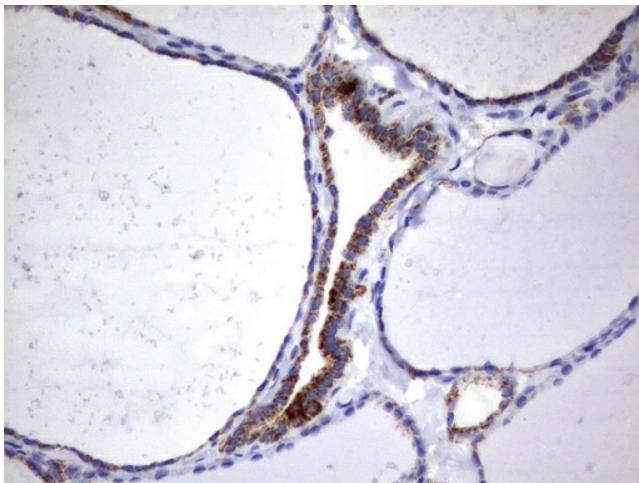
Immunohistochemical staining of paraffin-embedded Human lung tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



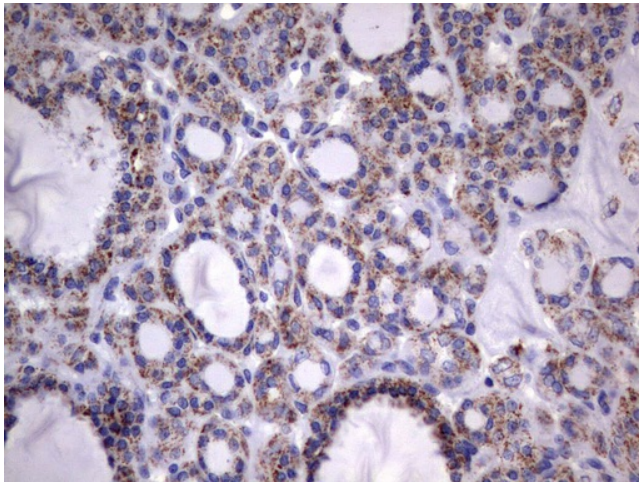
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



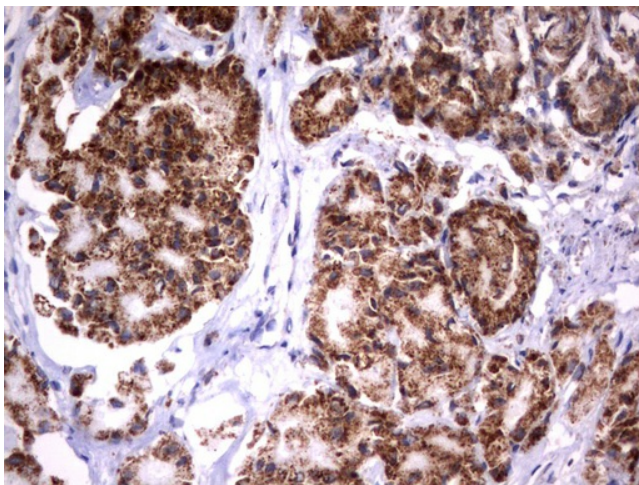
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



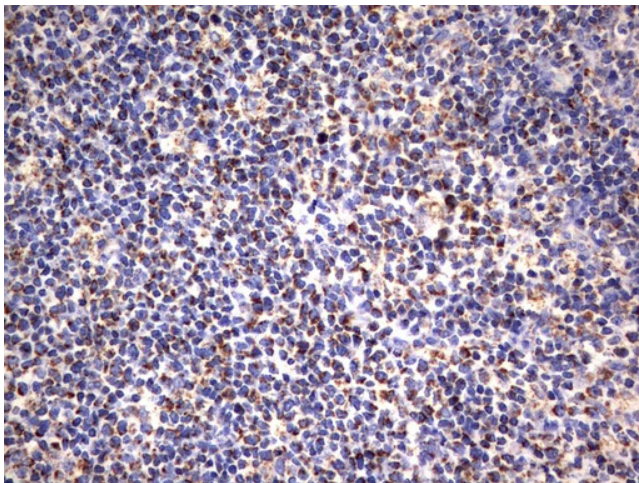
Immunohistochemical staining of paraffin-embedded Human thyroid tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



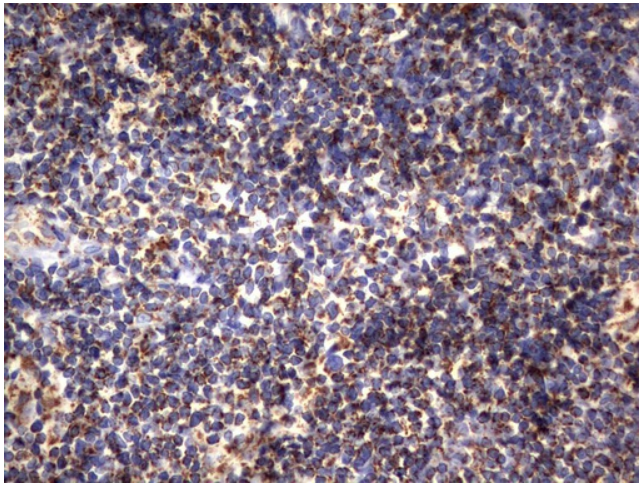
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



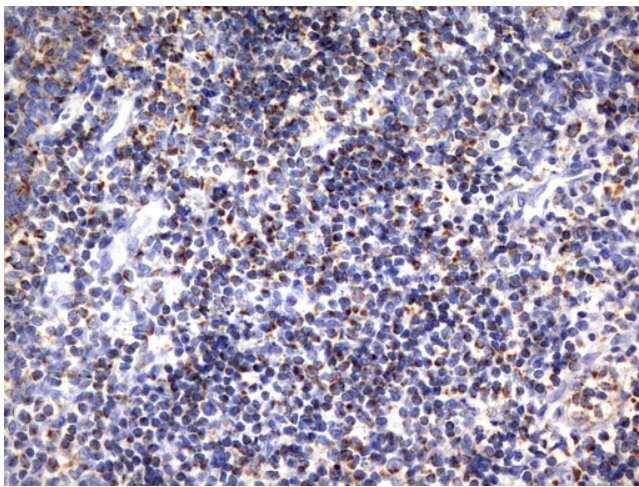
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



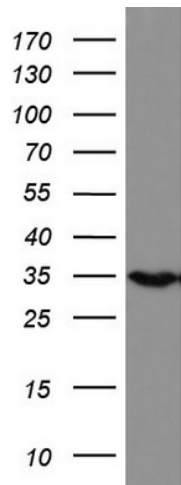
Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



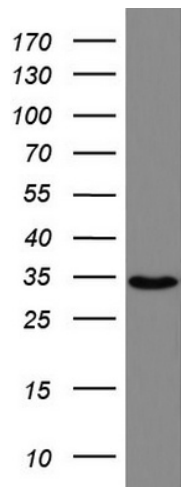
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



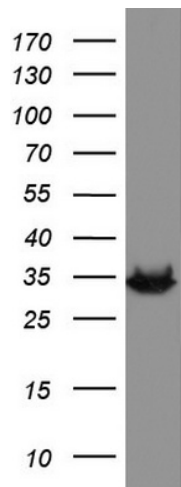
Immunohistochemical staining of paraffin-embedded Human tonsil using anti-HADH mouse monoclonal antibody. ([UM800048]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



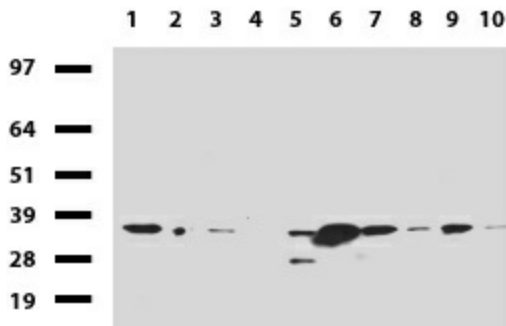
Western blot analysis of HEK293 cell lysate (35ug) by using anti-HADH monoclonal antibody.



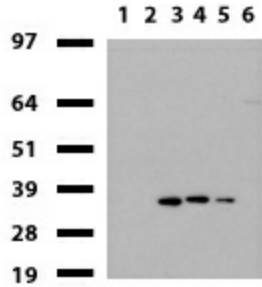
Western blot analysis of Jurkat cell lysate (35ug) by using anti-HADH monoclonal antibody.



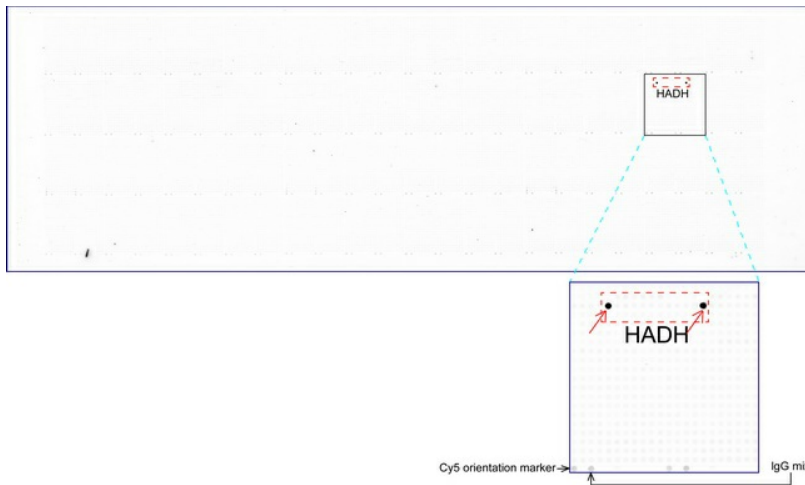
Western blot analysis of LOVO cell lysate (35ug) by using anti-HADH monoclonal antibody.



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Diluation: 1:500.



Western blot of mouse tissue lysates (20ug) from 6 different tissues (1: Uterus, 2: Brain, 3: Liver, 4: Ovary, 5: Colon, 6: Spleen). Primary antibody dilution: 1:500. Secondary antibody dilution: Mouse TrueBlot® Ultra (1:1000).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-HADH mouse monoclonal antibody ([UM800048]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.