

Product datasheet for **UM500046CF**

DEF6 Mouse Monoclonal Antibody [Clone ID: UMAB51]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB51
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DEF6(NP_071330) produced in HEK293T cell.
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.
Predicted Protein Size:	73.7 kDa
Gene Name:	DEF6 guanine nucleotide exchange factor
Database Link:	NP_071330 Entrez Gene 23853 Mouse Entrez Gene 309642 Rat Entrez Gene 50619 Human Q9H4E7
Background:	DEF6, or IBP, is a guanine nucleotide exchange factor (GEF) for RAC (MIM 602048) and CDC42 (MIM 116952) that is highly expressed in B and T cells (Gupta et al., 2003 [PubMed 12923183]). [supplied by OMIM, Mar 2008]

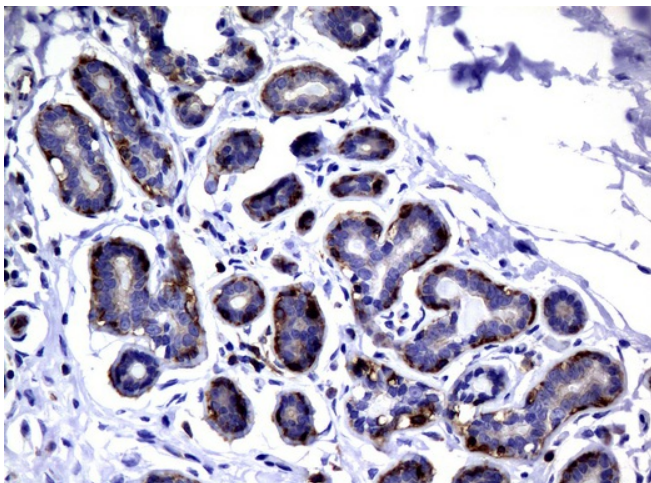


[View online >](#)

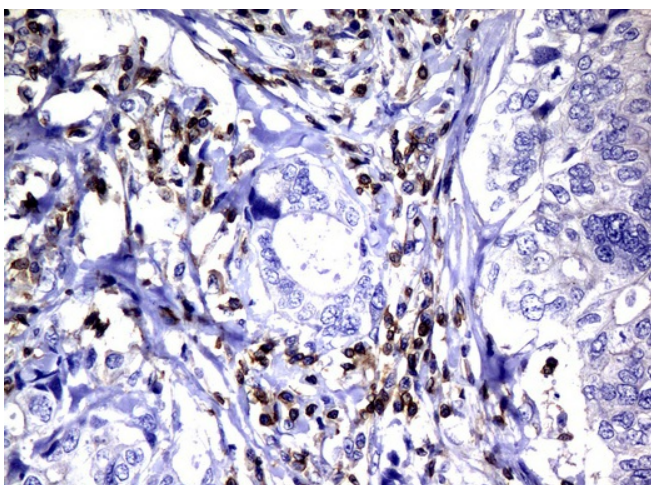
Synonyms: IBP; SLAT; SWAP70L

Protein Families: Druggable Genome

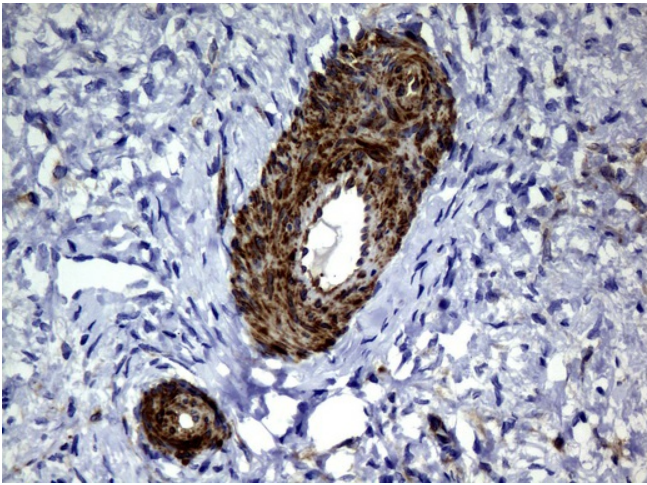
Product images:



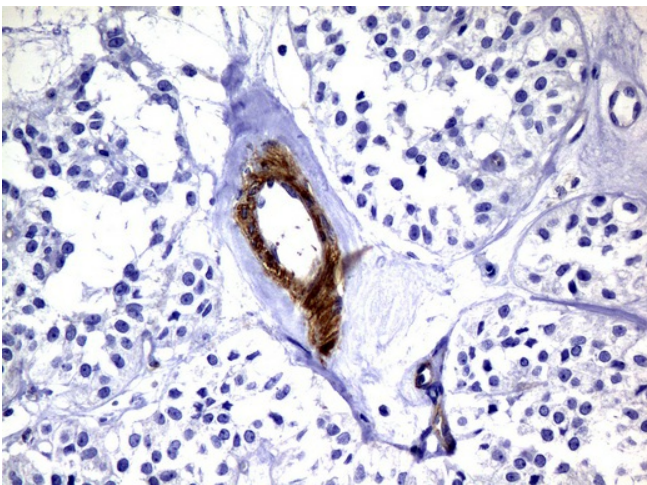
Immunohistochemical staining of paraffin-embedded Human breast tissue using anti-DEF6 mouse monoclonal antibody. ([UM500046]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



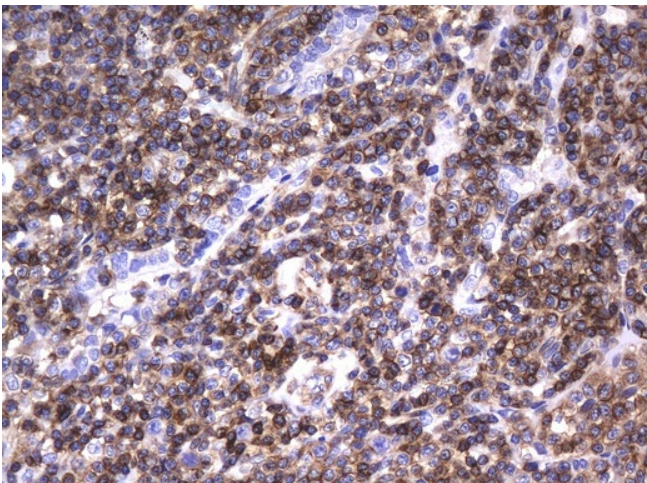
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-DEF6 mouse monoclonal antibody. ([UM500046]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



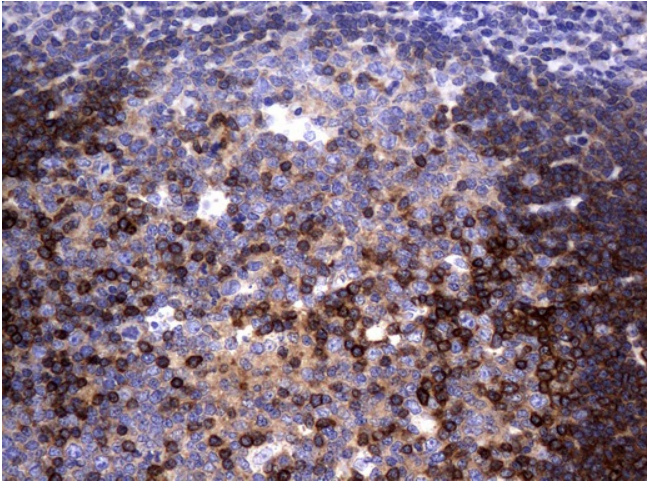
Immunohistochemical staining of paraffin-embedded Human Ovary tissue using anti-DEF6 mouse monoclonal antibody. ([UM500046]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



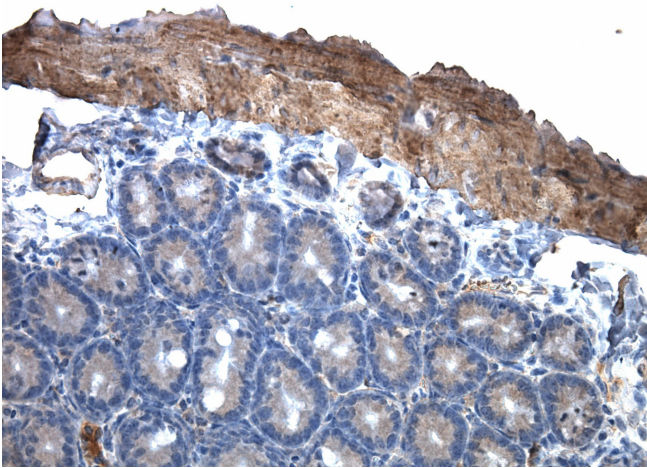
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-DEF6 mouse monoclonal antibody. ([UM500046]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



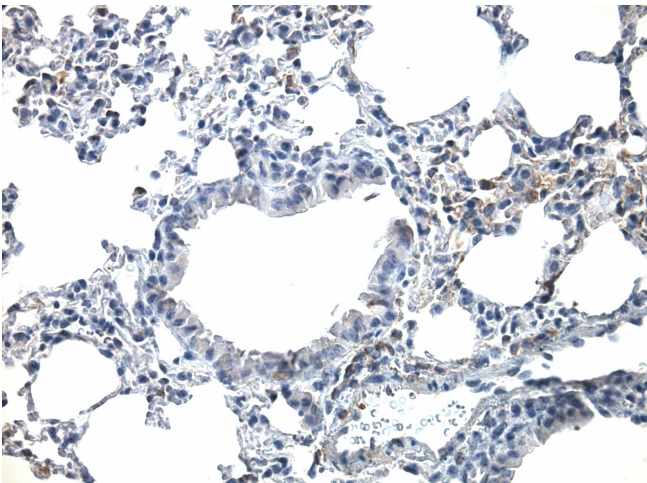
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-DEF6 mouse monoclonal antibody. ([UM500046]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



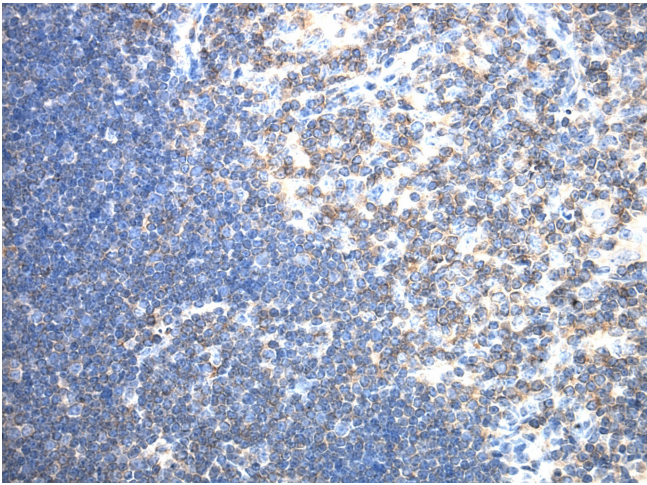
Immunohistochemical staining of paraffin-embedded Human tonsil using anti-DEF6 mouse monoclonal antibody. ([UM500046]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



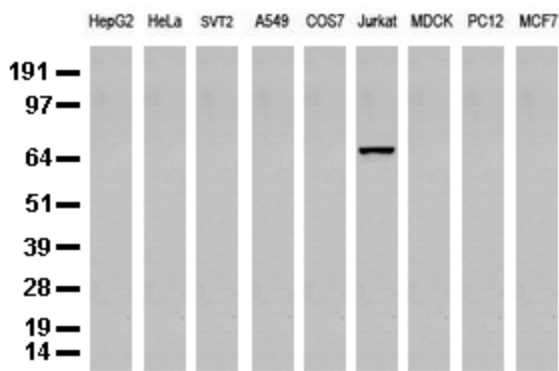
Immunohistochemical staining of paraffin-embedded mouse small intestine tissue using anti-DEF6 clone UMAB51 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, [UM500046] (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.



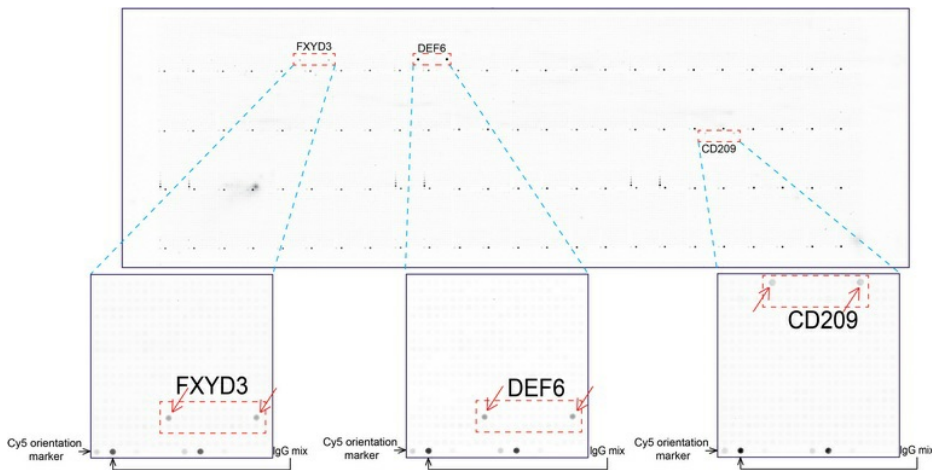
Immunohistochemical staining of paraffin-embedded mouse lung tissue using anti-DEF6 clone UMAB51 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, [UM500046] (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.



Immunohistochemical staining of paraffin-embedded mouse spleen tissue using anti-DEF6 clone UMAB51 mouse monoclonal antibody. HIER TEE buffer pH9 ([B21-100]) at 110C for 10 min, [UM500046] (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Kit.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DEF6 monoclonal antibody (Clone UMAB51).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-DEF6 mouse monoclonal antibody ([UM500046]). 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.