

Product datasheet for **TA806739**

FARSLB (FARSB) Mouse Monoclonal Antibody [Clone ID: OTI4B3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4B3
Applications:	IHC, WB
Recommended Dilution:	IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FARSB (NP_005678) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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:	65.9 kDa
Gene Name:	phenylalanyl-tRNA synthetase beta subunit
Database Link:	NP_005678 Entrez Gene 23874 Mouse Entrez Gene 301544 Rat Entrez Gene 10056 Human Q9NSD9
Background:	This gene encodes a highly conserved enzyme that belongs to the aminoacyl-tRNA synthetase class IIc subfamily. This enzyme comprises the regulatory beta subunits that form a tetramer with two catalytic alpha subunits. In the presence of ATP, this tetramer is responsible for attaching L-phenylalanine to the terminal adenosine of the appropriate tRNA. A pseudogene located on chromosome 10 has been identified. [provided by RefSeq, Jul 2008]

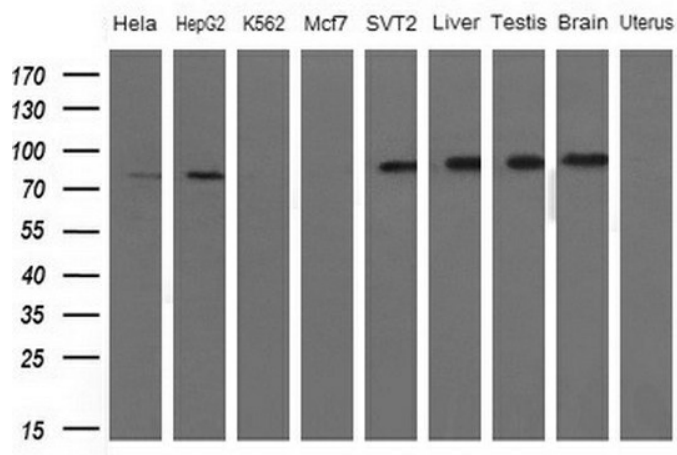


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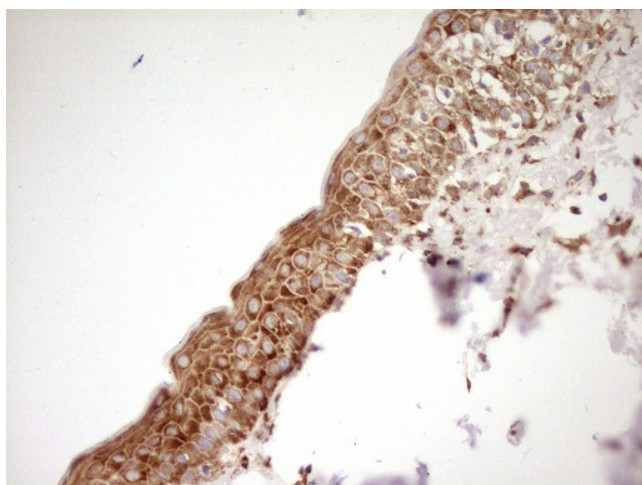
Synonyms: FARSLB; FRSB; HSPC173; PheHB; PheRS

Protein Pathways: Aminoacyl-tRNA biosynthesis

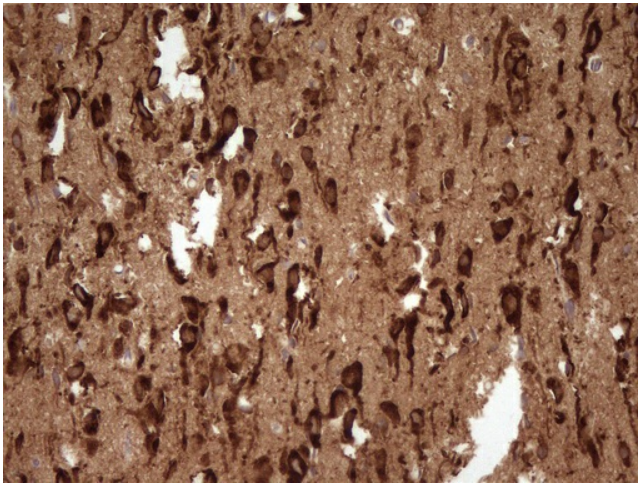
Product images:



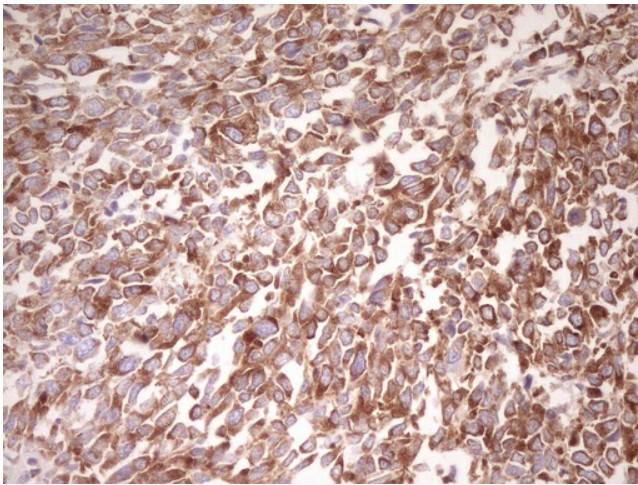
Western blot analysis of extracts (10ug) from 5 different cell lines and 4 human tissue by using anti-FARSB monoclonal antibody (1: HeLa; 2: HepG2; 3: K562; 4: Mcf7; 5: SVT2; 6: Liver; 7: Testis; 8: Brain; 9: Uterus) at 1:200 dilution.



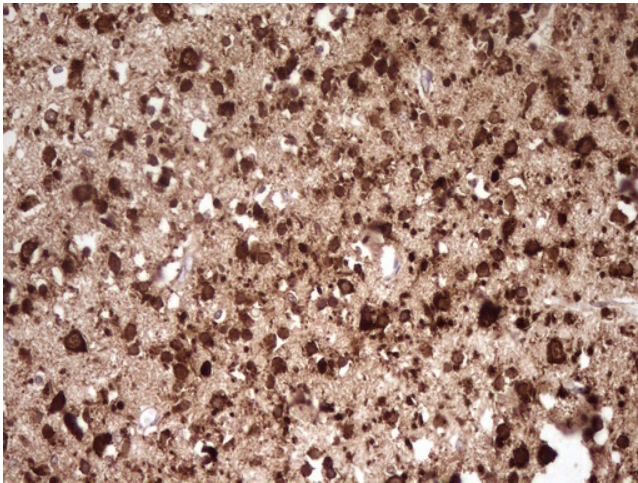
Immunohistochemical staining of paraffin-embedded Human skin tissue using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA806739)



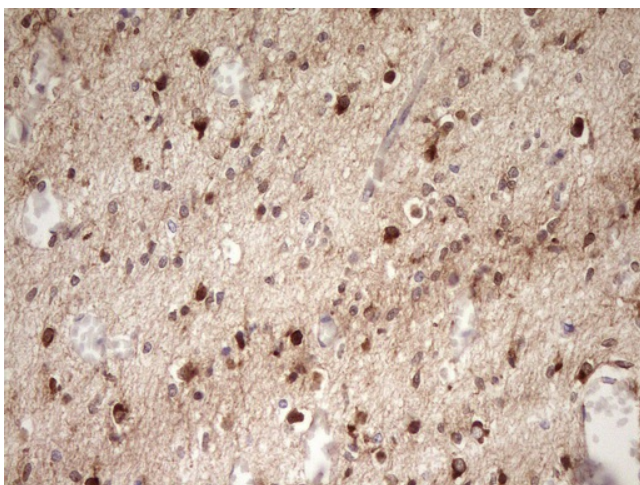
Immunohistochemical staining of paraffin-embedded Human adult brain tissue using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA806739)



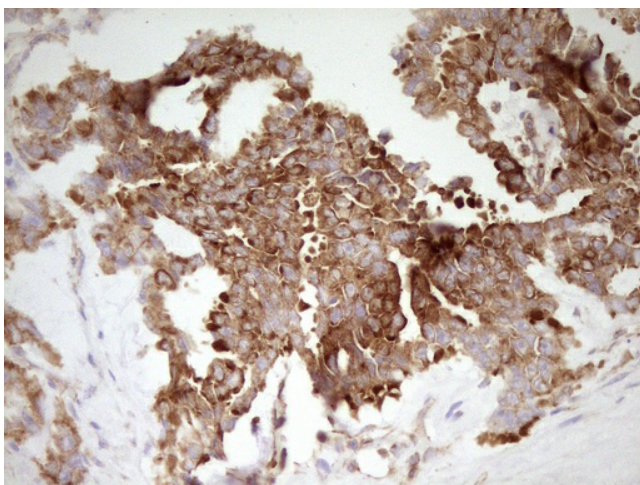
Immunohistochemical staining of paraffin-embedded Human melanoma tissue using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA806739)



Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA806739)



Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA806739)



Immunohistochemical staining of paraffin-embedded Human testicular cancer tissue using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA806739)