

## Product datasheet for **TA806739BM**

### **FARSLB (FARSB) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI4B3]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI4B3
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	IHC 1:150
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human FARSB (NP_005678) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	HRP
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	65.9 kDa
<b>Gene Name:</b>	phenylalanyl-tRNA synthetase beta subunit
<b>Database Link:</b>	<a href="#">NP_005678</a> <a href="#">Entrez Gene 23874 Mouse</a> <a href="#">Entrez Gene 301544 Rat</a> <a href="#">Entrez Gene 10056 Human</a> <a href="#">Q9NSD9</a>
<b>Background:</b>	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]

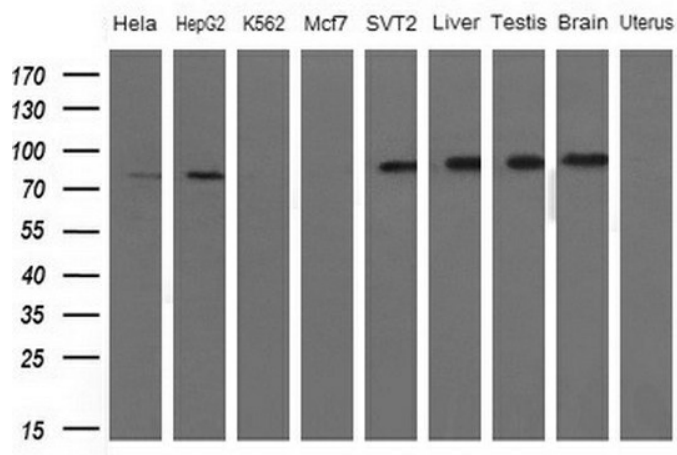


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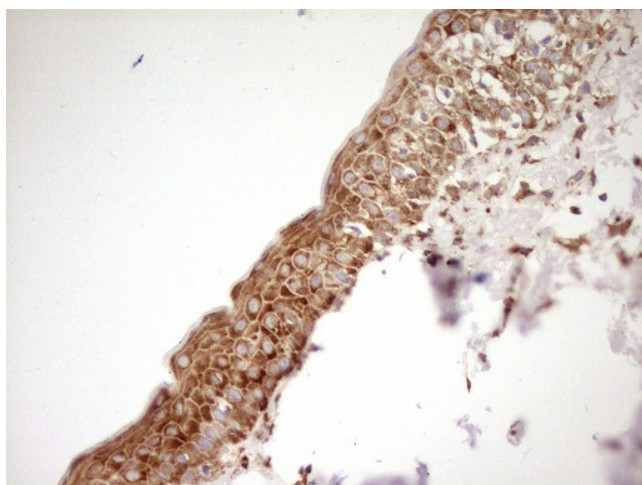
**Synonyms:** FARSLB; FRSB; HSPC173; PheHB; PheRS

**Protein Pathways:** Aminoacyl-tRNA biosynthesis

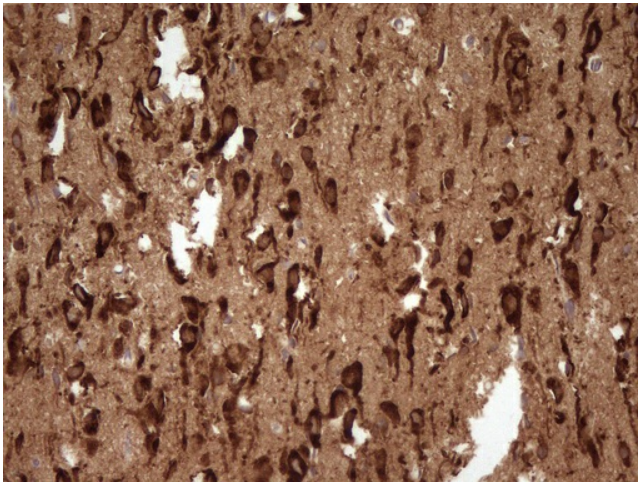
**Product images:**



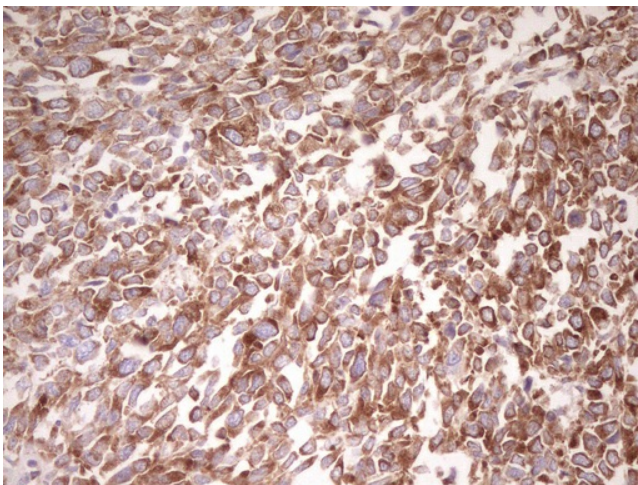
Western blot analysis of extracts (10ug) from 5 different cell lines and 4 human tissue by using anti-FARSB monoclonal antibody (1: HeLa; 2: HepG2; 3: K562; 4: Mcf7; 5: SVT2; 6: Liver; 7: Testis; 8: Brain; 9: Uterus) at 1:200 dilution.



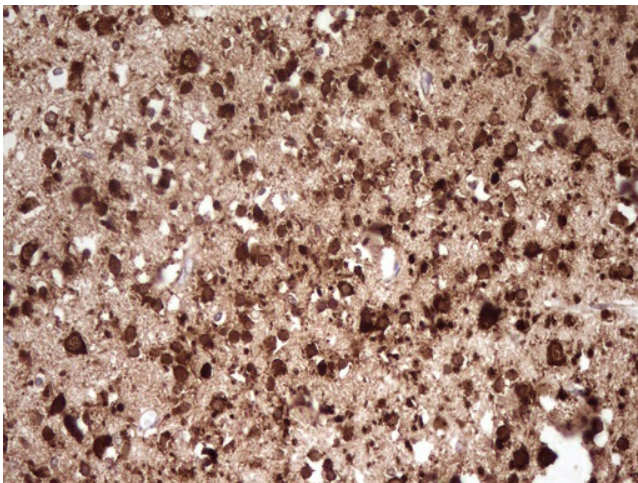
Immunohistochemical staining of paraffin-embedded Human skin tissue using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806739])



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])

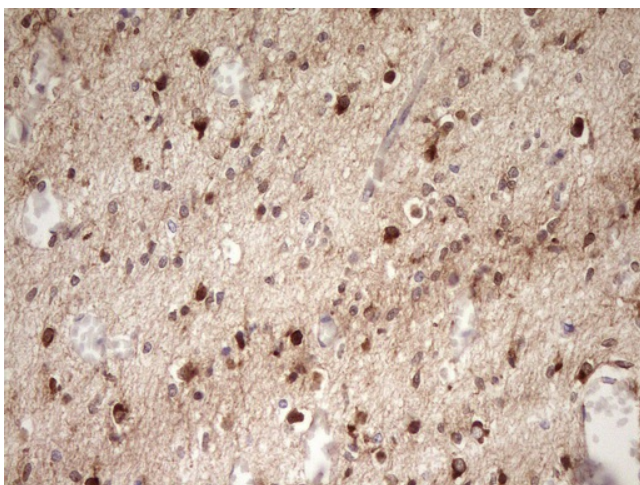


Immunohistochemical staining of paraffin-embedded Human melanoma tissue using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806739])

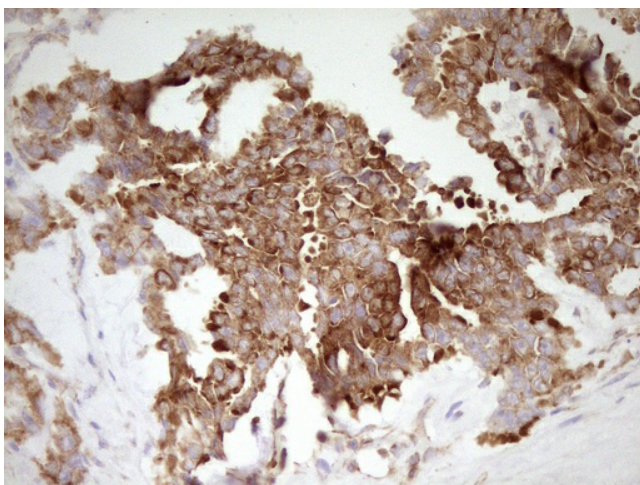


Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue using anti-FARSB mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806739])





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])