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Product datasheet for TA503794

HARS2 Mouse Monoclonal Antibody [Clone ID: OTI2D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D6
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:150, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HARS2(NP_036340) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.36 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:	53.3 kDa
Gene Name:	histidyl-tRNA synthetase 2, mitochondrial
Database Link:	NP_036340 Entrez Gene 23438 Human P49590
Background:	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is an enzyme belonging to the class II family of aminoacyl-tRNA synthetases. Functioning in the synthesis of histidyl-transfer RNA, the enzyme plays an accessory role in the regulation of protein biosynthesis. The gene is located in a head-to-head orientation with HARS on chromosome five, where the homologous genes share a bidirectional promoter. [provided by RefSeq]. COMPLETENESS: full length.

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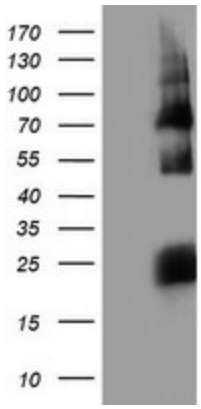
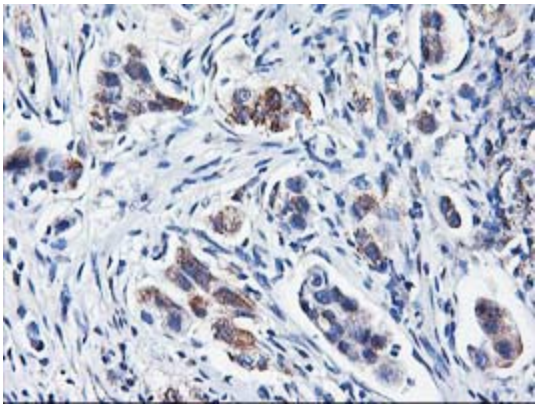
Synonyms: HARSL; HARSR; HO3; PRLTS2

Protein Pathways: Aminoacyl-tRNA biosynthesis

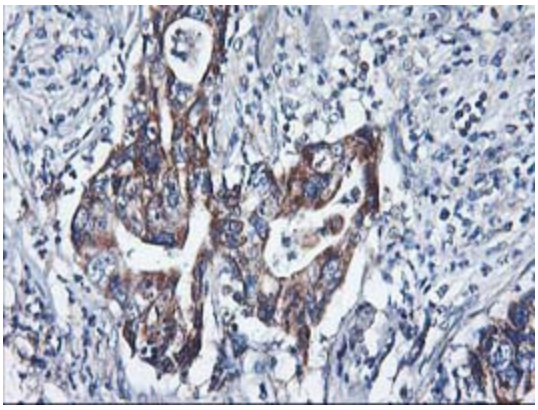
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HARS2 ([RC204925], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HARS2. Positive lysates [LY415917] (100ug) and [LC415917] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503794)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503794)

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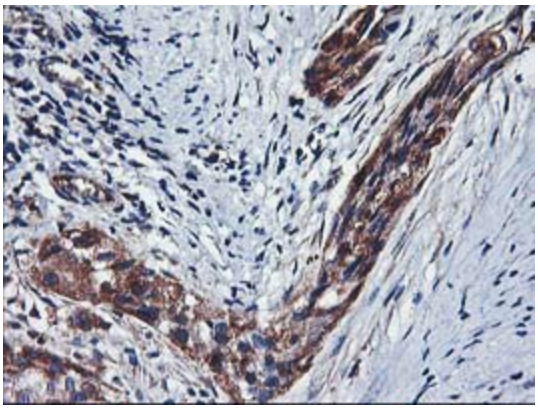
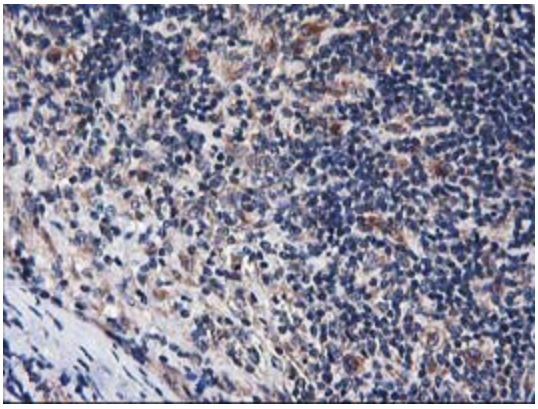
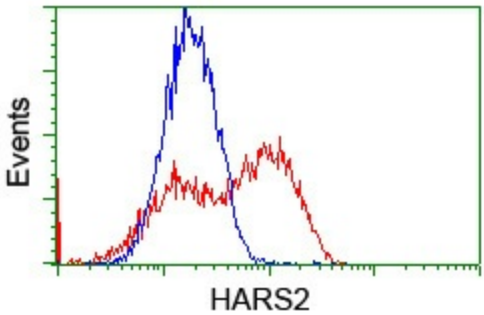


Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503794)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503794)



HEK293T cells transfected with either [RC204925] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-HARS2 antibody (TA503794), and then analyzed by flow cytometry.

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