OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA503834

HARS2 Mouse Monoclonal Antibody [Clone ID: OTI5H2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5H2
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Monkey, Dog
Host:	Mouse
Isotype:	IgG2b
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:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
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 478035 DogEntrez Gene 697009 MonkeyEntrez Gene 23438 Human
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.
Synonyms:	HARSL; HARSR; HO3; PRLTS2
Protein Pathways:	Aminoacyl-tRNA biosynthesis

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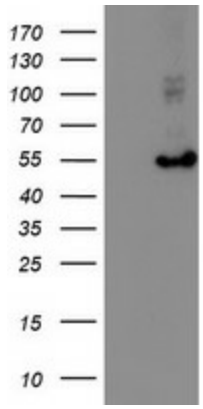
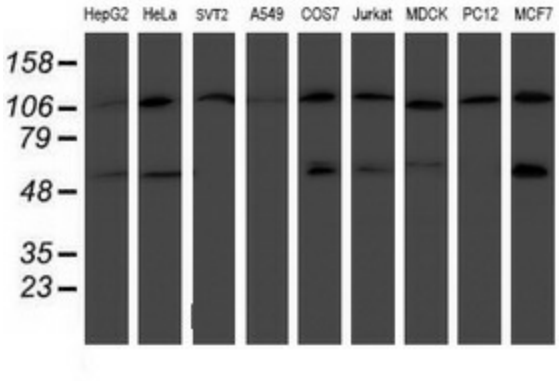
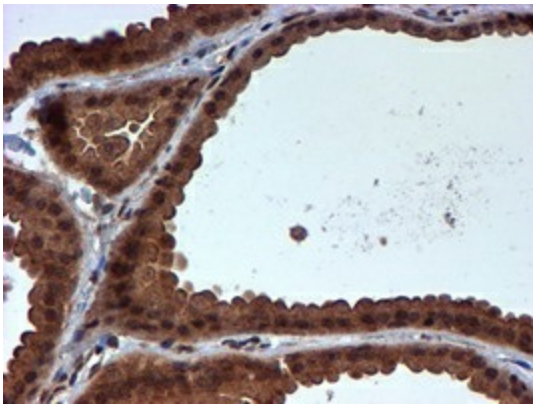
Product images:



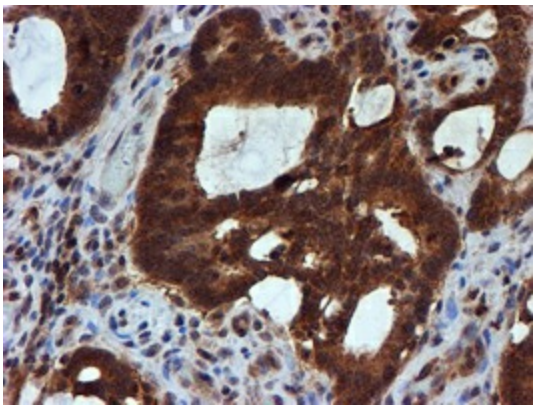
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HARS2 ([RC204925], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HARS2. Positive lysates [LY415917] (100ug) and [LC415917]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



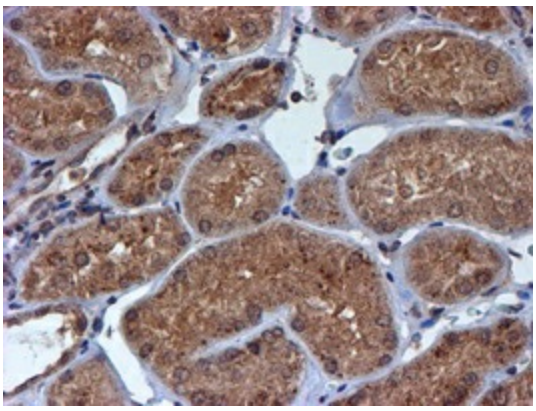
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HARS2 monoclonal antibody.



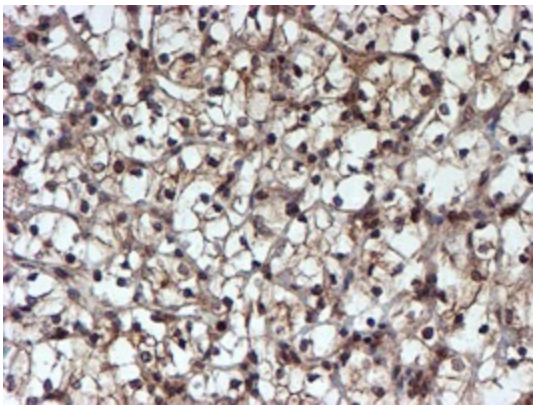
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



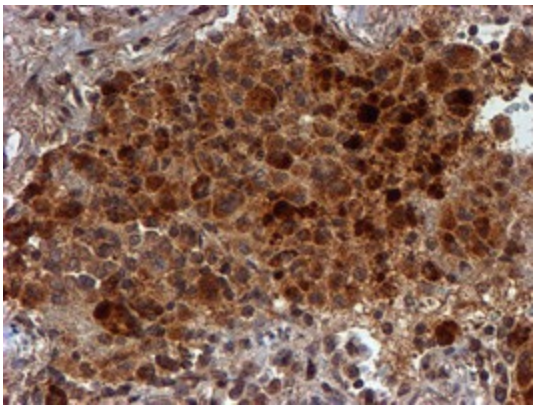
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



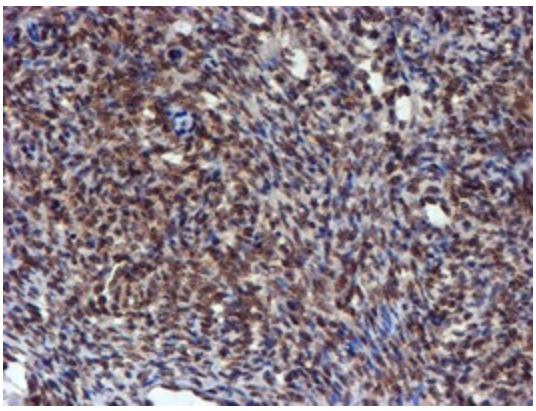
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



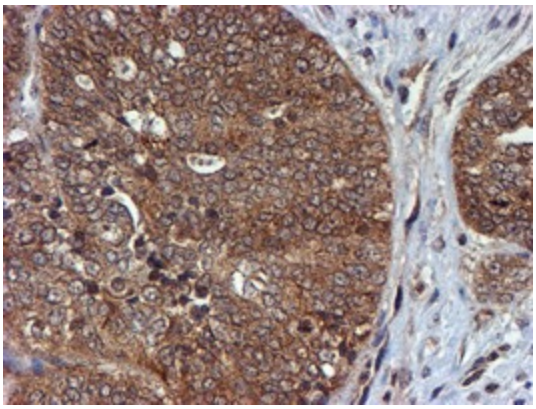
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



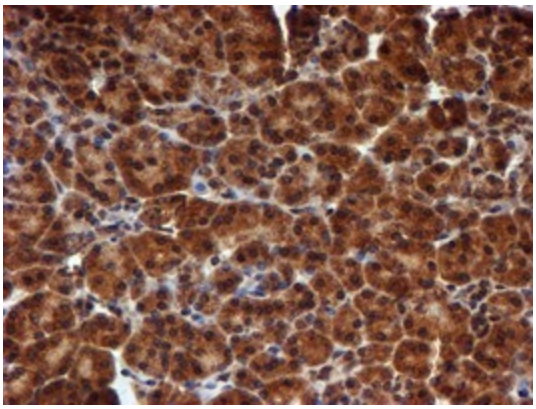
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



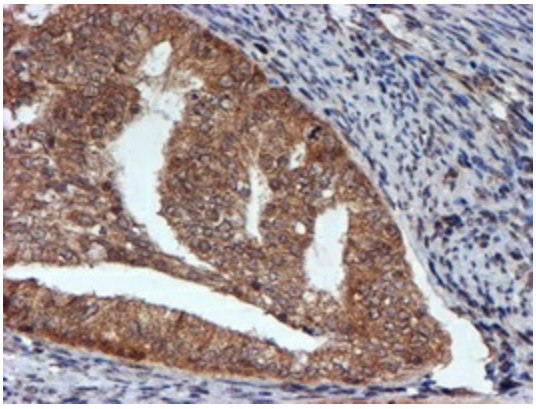
Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



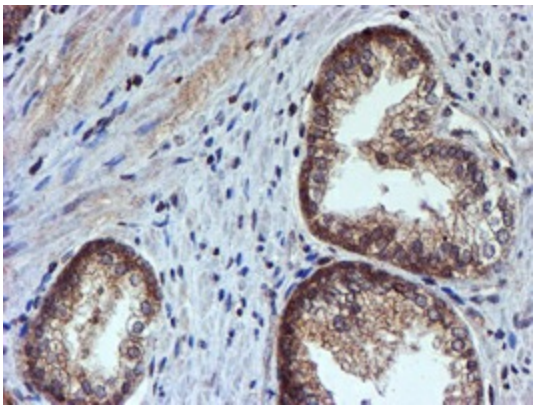
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



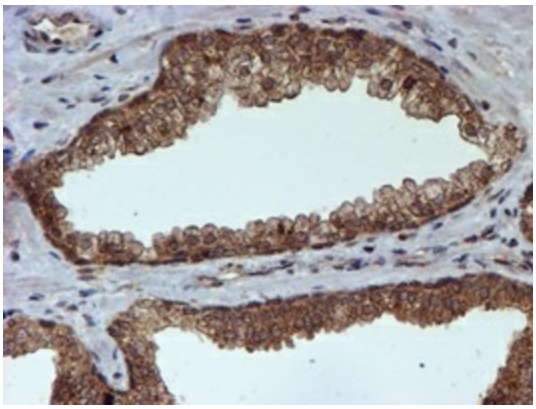
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



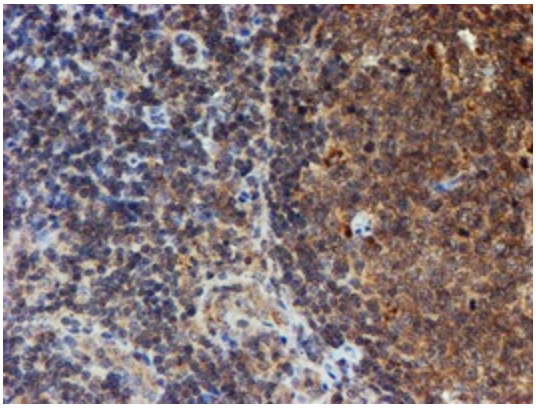
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



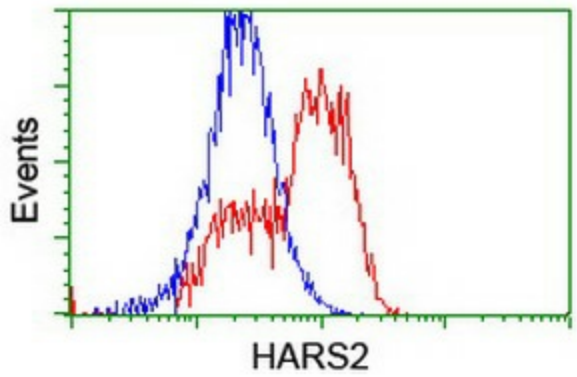
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-HARS2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503834)



HEK293T cells transfected with either [RC204925] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-HARS2 antibody (TA503834), and then analyzed by flow cytometry.