

For Research Use Only

HARS2 Polyclonal antibody

Catalog Number: 11301-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 11301-1-AP	GenBank Accession Number: BC014982	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23438	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:20-1:200
Source: Rabbit	Full Name: histidyl-tRNA synthetase 2, mitochondrial (putative)	
Isotype: IgG	Calculated MW: 57 kDa	
Immunogen Catalog Number: AG1827	Observed MW: 50-55 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : MCF7 cells, HEK-293 cells, human heart tissue, MCF-7 cells, mouse kidney tissue IP : HEK-293 cells, IHC : human breast cancer tissue, human kidney tissue
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

HARS2, also named as HARSL, HARSR, HO3 and HisRS, belongs to the class-II aminoacyl-tRNA synthetase family. It is an enzyme that catalyzes the esterification of histidine to its cognate tRNA as an early step in protein biosynthesis. When overexpressed in HIV-1-producing cells, HARS2 was incorporated into wild-type virions but not in ones containing the dilysine-mutated variant of matrix(MA) protein. HO3, through its recognition of MA, plays a role in the life cycle of HIV-1. (PMID: 9445076,7755634). 1-33aa of HARS2 is transit peptide and this part will be cut in some form(-52kd) of HARS2. This antibody can bind both HARSs for the close sequences.

Notable Publications

Author	Pubmed ID	Journal	Application
Jana Key	36611846	Cells	WB
Pengcheng Xu	34975414	Front Cell Neurosci	WB
Shasha Gong	31819004	J Biol Chem	WB

Storage

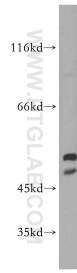
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

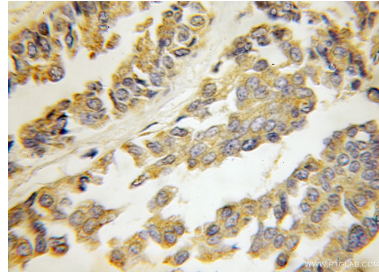
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

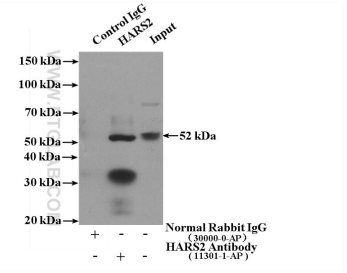
Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 11301-1-AP (HARS2 antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 11301-1-AP (HARS2 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-HARS2 (IP:11301-1-AP, 4ug; Detection:11301-1-AP 1:500) with HEK-293 cells lysate 3000ug.