

For Research Use Only

SLC25A15 Polyclonal antibody

Catalog Number: 15317-1-AP



Basic Information

Catalog Number: 15317-1-AP	GenBank Accession Number: BC002702	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10166	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	Full Name: solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	
Isotype: IgG	Calculated MW: 33 kDa	
Immunogen Catalog Number: AG7563	Observed MW: 30-33 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HeLa cells, mouse liver tissue, mouse stomach tissue

IHC: human liver cancer tissue, human skin tissue, human brain tissue, human lung tissue, human ovary tissue

IF: MCF-7 cells,

Background Information

SLC25A15 gene encodes a 301-amino-acid-long mitochondrial carrier protein termed ORC1, which catalyzes the transport of cytosolic ornithine into mitochondria in exchange for citrulline (PMID: 19242930). Some mutations in the SLC25A15 gene have been reported to break the ornithine cycle and be related with human hyperornithinemia, hyperammonemia, and homocitrullinuria syndrome (PMID: 19242930, 24721342). This antibody detected SLC25A15 at an apparent molecular mass about 33 kDa.

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

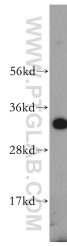
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

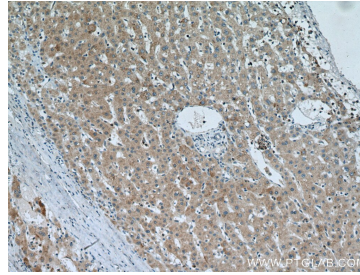
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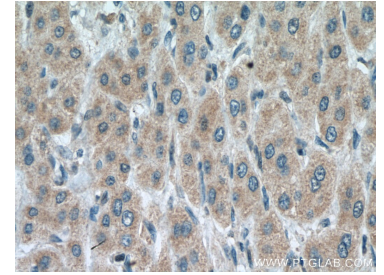
Selected Validation Data



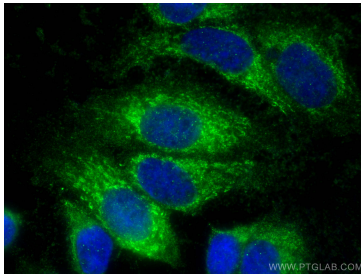
HeLa cells were subjected to SDS PAGE followed by western blot with 15317-1-AP (SLC25A15 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15317-1-AP (SLC25A15 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15317-1-AP (SLC25A15 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using SLC25A15 antibody (15317-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).