

For Research Use Only

SLC25A13 Polyclonal antibody

Catalog Number: 10789-1-AP



Basic Information

Catalog Number: 10789-1-AP	GenBank Accession Number: BC006566	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10165	Recommended Dilutions: WB 1:500-1:2400 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: solute carrier family 25, member 13 (citrin)	
Isotype: IgG	Calculated MW: 74 kDa	
Immunogen Catalog Number: AG1242	Observed MW: 60-63 kDa	

Applications

Tested Applications:

IHC, IP, 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 : mouse kidney tissue, Raji cells, A431 cells, HEK-293 cells, mouse liver tissue

IP : mouse kidney tissue,

IHC : human colon cancer tissue,

Background Information

SLC25A13, also known as citrin, has been identified as a mitochondrial aspartate-glutamate carrier protein and may be implicated in metabolic compartmentation. It consists of 675 amino acid residues and harbors four EF-hands and six mitochondrial transmembranous (TM) spanners. Mutations in SLC25A13 gene cause adult-onset type II citrullinemia (CTLN2) and neonatal intrahepatic cholestasis (NICCD). The complete deletion or cleaved SLA25A13 proteins have been reported in patients with SLC25A13 mutation.

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

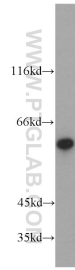
For technical support and original validation data for this product please contact:

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

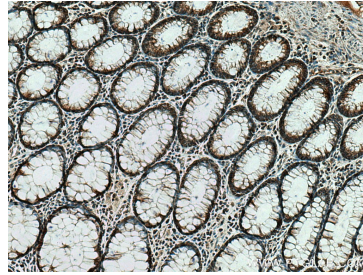
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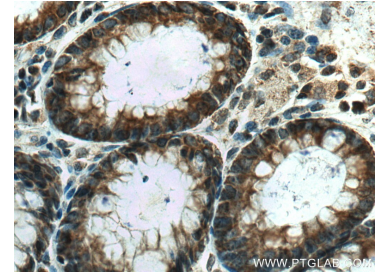
Selected Validation Data



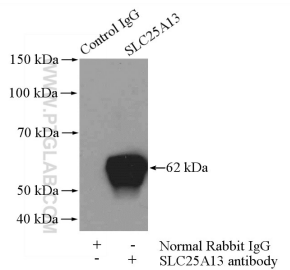
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 10789-1-AP (SLC25A13 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10789-1-AP (SLC25A13 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 colon cancer tissue slide using 10789-1-AP (SLC25A13 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-SLC25A13 (IP:10789-1-AP, 4ug; Detection:10789-1-AP 1:1000) with mouse kidney tissue lysate 4000ug.