

For Research Use Only

SLC25A13 Polyclonal antibody

Catalog Number:10789-1-AP



Basic Information

Catalog Number:

10789-1-AP

Size:

150ul , Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1242

GenBank Accession Number:

BC006566

GeneID (NCBI):

10165

UNIPROT ID:

Q9UJ50

Full Name:

solute carrier family 25, member 13 (citrin)

Calculated MW:

74 kDa

Observed MW:

60-63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

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

Positive Controls:

WB : HEK-293T cells, A431 cells, HEK-293 cells, mouse kidney tissue, mouse liver tissue, Raji cells, mouse ovary tissue

IP : mouse kidney tissue,

IHC : human colon cancer tissue,

IF/ICC : U2OS cells,

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

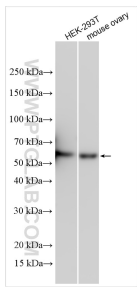
For technical support and original validation data for this product please contact:

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

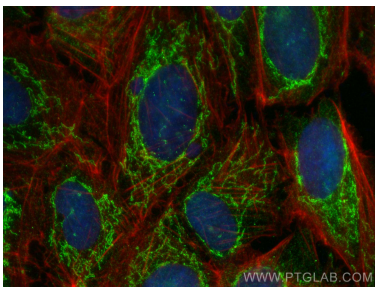
E: proteintech@ptglab.com
W: ptglab.com

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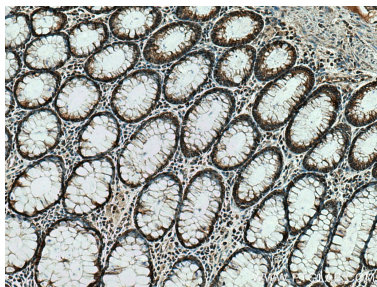
Selected Validation Data



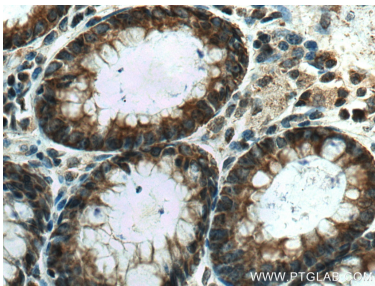
Various lysates were subjected to SDS PAGE followed by western blot with 10789-1-AP (SLC25A13 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



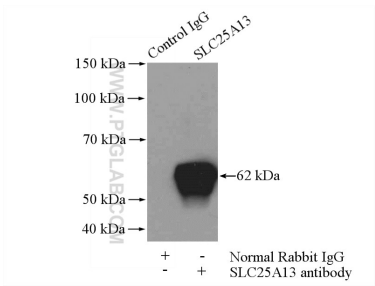
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using SLC25A13 antibody (10789-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



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.