

For Research Use Only

# SLC25A13 Polyclonal antibody, PBS Only

Catalog Number: 10789-1-PBS



## Basic Information

<b>Catalog Number:</b> 10789-1-PBS	<b>GenBank Accession Number:</b> BC006566	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10165	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UJ50	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 25, member 13 (citrin)	
<b>Immunogen Catalog Number:</b> AG1242	<b>Calculated MW:</b> 74 kDa	

## Applications

**Tested Applications:**  
IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## 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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

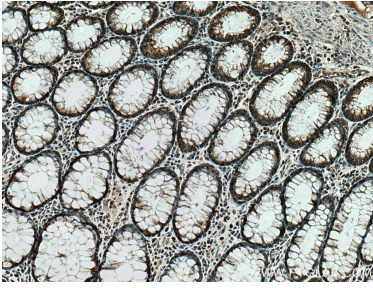
For technical support and original validation data for this product please contact:

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

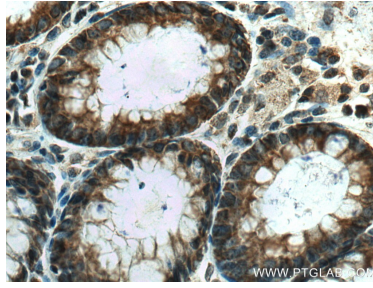
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

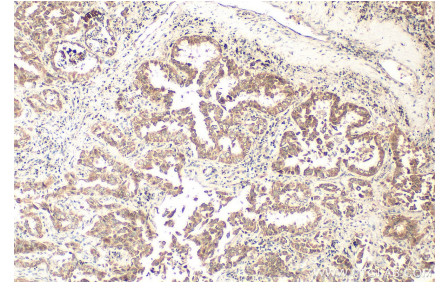
## Selected Validation Data



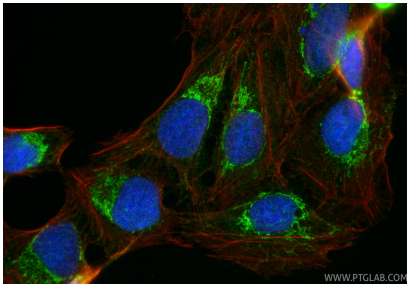
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10789-1-AP (SLC25A13 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10789-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 10789-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10789-1-AP (SLC25A13 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10789-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using SLC25A13 antibody (10789-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 10789-1-PBS in a different storage buffer formulation.