

# SLC25A46 Polyclonal antibody

Catalog Number: 27869-1-AP

## Basic Information

Catalog Number: 27869-1-AP	GenBank Accession Number: BC017169	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 91137	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96AG3	
Isotype: IgG	Full Name: solute carrier family 25, member 46	
Immunogen Catalog Number: AG27293	Calculated MW: 418 aa, 46 kDa Observed MW: 46 kDa	

## Applications

Tested Applications:  
IF/ICC, IHC, WB, 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 : mouse brain tissue,

IHC : human colon tissue, human medulloblastoma tissue

IF/ICC : NIH/3T3 cells,

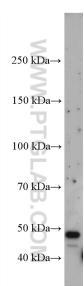
## Background Information

Solute carrier family 25 member 46 (SLC25A46), a highly conserved protein among various species including vertebrates, is a nuclear gene encoding mitochondrial carriers. SLC25A46 is involved in mitochondrial fission and the transport of lipids from the endoplasmic reticulum to mitochondria (PMID: 33277645). SLC25A46 has 3 isoforms with molecular weights of 30, 37 and 46 kDa, respectively.

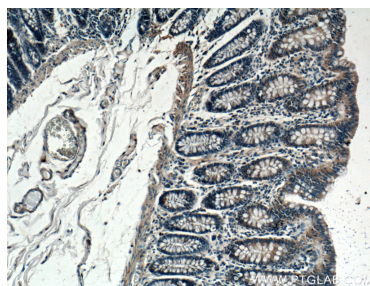
## Storage

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

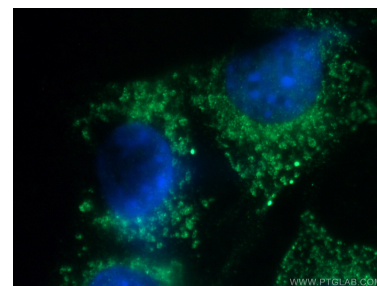
## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 27869-1-AP (SLC25A46 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 27869-1-AP (SLC25A46 antibody) at dilution of 1:200 (under 10x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using 27869-1-AP (SLC25A46 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).