

For Research Use Only

CoraLite® Plus 488-conjugated SLC25A22 Polyclonal antibody



Catalog Number: CL488-25402

Basic Information

Catalog Number: CL488-25402	GenBank Accession Number: BC023545	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 79751	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: solute carrier family 25 (mitochondrial carrier: glutamate), member 22	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 323 aa, 34 kDa	
Immunogen Catalog Number: AG19958	Observed MW: 30-34 kDa	

Applications

Tested Applications:
IF

Positive Controls:

Species Specificity:
human, mouse, rat

IF : mouse brain tissue,

Background Information

SLC25A22 encodes a mitochondrial glutamate/H⁺ symporter with highly expression in brain, especially in astrocytes, where it controls glutamate uptake. The mutations of SLC25A22 are associated with the early/infantile epileptic encephalopathies. It has been shown that SLC25A22 plays a key role in promoting proliferation and migration in cancer, such as human colorectal cancer (CRC) and Gallbladder cancer (GBC). And there is a result that the expression of SLC25A22 in GBC was significantly higher than that in adjacent tissues. 25402-1-AP antibody is specific to SLC25A22.(PMID: 30814911, 25033742, 24596948)

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

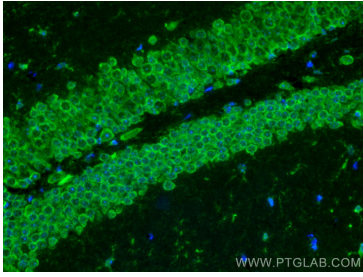
For technical support and original validation data for this product please contact:

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Coralite® Plus 488 SLC25A22 antibody (CL488-25402) at dilution of 1:200.