

For Research Use Only

CoraLite® Plus 488-conjugated SLC25A22 Polyclonal antibody



Catalog Number: CL488-25402

Basic Information

Catalog Number:

CL488-25402

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19958

GenBank Accession Number:

BC023545

GeneID (NCBI):

79751

UNIPROT ID:

Q9H936

Full Name:

solute carrier family 25
(mitochondrial carrier: glutamate),
member 22

Calculated MW:

323 aa, 34 kDa

Observed MW:

30-34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

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

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

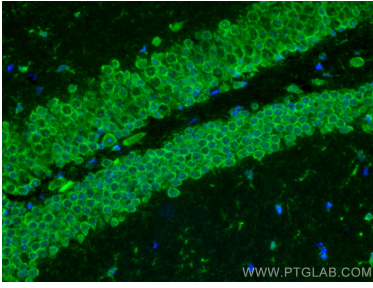
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.