For Research Use Only

CoraLite® Plus 488-conjugated GLUD1 Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-67026

Basic Information

Catalog Number:
CL488-67026

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG6179

GenBank Accession Number:
BC040132

GeneID (NCBI):
2746

Full Name:
glutamate dehydrogenase 1

Calculated MW:
61 kDa

Observed MW:
45-55 kDa

Purification Method:
Protein A purification

CloneNo.:
4G10D3

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
488 nm / 515 nm

Applications

Tested Applications:
IF

Species Specificity:
Human, Mouse, Rat

Positive Controls:

IF : human liver cancer tissue,

Background Information

Human glutamate dehydrogenase (GDH), an enzyme central to the metabolism of glutamate, is known to exist in housekeeping and nerve tissue-specific isoforms encoded by the GLUD1 and GLUD2 genes, respectively. It catalyses the reversible inter-conversion of glutamate to alpha-ketoglutarate and ammonia, thus interconnecting amino acid and carbohydrate metabolism. GLUD1 might contribute to the formation of specific synapses in the hippocampus such as those formed by the projecting neurons of the entorhinal cortex(PMID: 22138648). GLUD1 has a calculated molecular mass of 61 kDa and an apparent molecular mass of 45-55 kDa with the 53aa transit peptide removed.

Storage

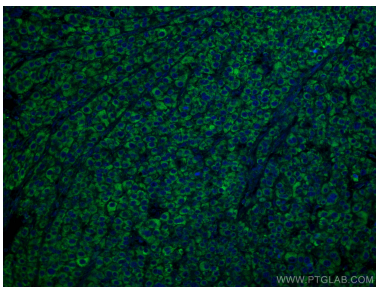
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

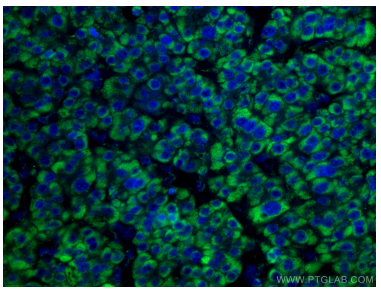
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 human liver cancer tissue using CoraLite® Plus 488-conjugated GLUD1 antibody (CL488-67026, Clone: 4G10D3) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite® Plus 488-conjugated GLUD1 antibody (CL488-67026, Clone: 4G10D3) at dilution of 1:200.