

For Research Use Only

CoraLite® Plus 488-conjugated GPT2 Polyclonal antibody



Catalog Number: CL488-16757

Featured Product

Basic Information

Catalog Number: CL488-16757	GenBank Accession Number: BC062555	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 84706	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: glutamic pyruvate transaminase (alanine aminotransferase) 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 523 aa, 58 kDa	
Immunogen Catalog Number: AG10273	Observed MW: 58 kDa, 47 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat	

Background Information

GPT2 (Alanine aminotransferase 2; ALT2) is a key enzyme in intermediary metabolism, catalysing the reversible transfer of the amino group of glutamate to pyruvate, yielding alanine and ketoglutarate. GPT2 protein localizes to mitochondria, and is mainly expressed in the pancreas, brain, adrenal gland, skeletal muscle and heart. Serum GPT2 is a useful marker for liver damage. Recently mutation of GPT2 has been reported to be a cause of neural disorder (27601654). 16757-1-AP antibody recognizes two different isoforms of GPT2 protein.

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

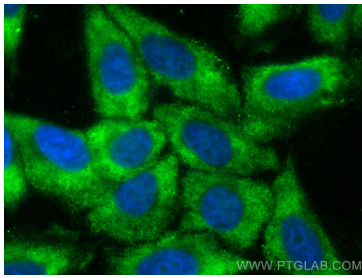
For technical support and original validation data for this product please contact:

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

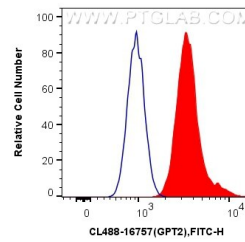
E: proteintech@ptglab.com
W: ptglab.com

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 (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 GPT2 antibody (CL488-16757) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human GPT2 (CL488-16757) (red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).