

For Research Use Only

CoraLite® Plus 488-conjugated HIGD1A Monoclonal antibody

Catalog Number: CL488-68231



Basic Information

Catalog Number:

CL488-68231

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG14027

GenBank Accession Number:

BC000601

GeneID (NCBI):

25994

UNIPROT ID:

Q9Y241

Full Name:

HIG1 hypoxia inducible domain
family, member 1A

Calculated MW:

93 aa, 10 kDa

Observed MW:

10 kDa

Purification Method:

Protein A purification

CloneNo.:

3A8E2

Recommended Dilutions:

IF/ICC 1:200-1:800

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : U2OS cells,

Background Information

HIG1 domain family member 1A (HIGD1A) is a proposed subunit of cytochrome c oxidase (COX, complex IV), which is the terminal component of the mitochondrial respiratory chain that catalyzes the reduction of oxygen to water. May play a role in the assembly of respiratory supercomplexes (PMID:22342701). It is induced by hypoxia induction.

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

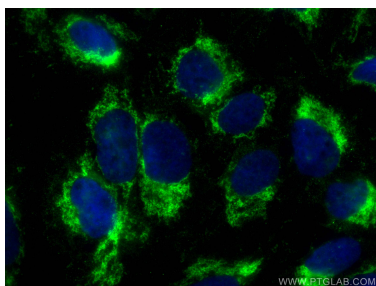
For technical support and original validation data for this product please contact:

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

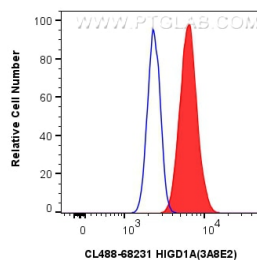
E: proteintech@ptglab.com
W: ptglab.com

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 U2OS cells using CoraLite® Plus 488 HIGD1A antibody (CL488-68231, Clone: 3A8E2) at dilution of 1:400.



1x10⁶ U2OS cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated HIGD1A Monoclonal antibody (CL488-68231, Clone:3A8E2) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG2b isotype control (11B8C4) (CL488-66360-3, Clone: 11B8C4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).