For Research Use Only

HIGD1A Monoclonal antibody, PBS Only

Catalog Number:68231-1-PBS

Basic Information

Catalog Number:
68231-1-PBS

Size:
100ug , Concentration: 1 mg/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

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human

Background Information

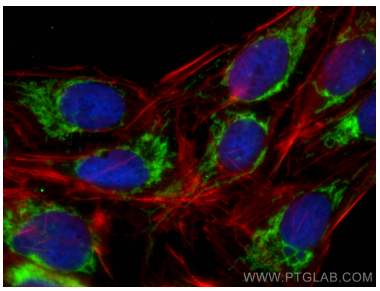
HIG1 domain family member 1A (HIGD1A) is a proposed subunit of cytochrome c oxidase (COX, complex IV), which is the terminal component of the mitochondrial respiratory chain that catalyzes the reduction of oxygen to water. May play a role in the assembly of respiratory supercomplexes (PMID:22342701).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

Storage

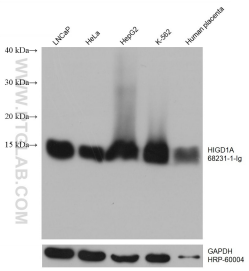
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using HIGD1A antibody (68231-1-Ig, Clone: 3A8E2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68231-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 68231-1-Ig (HIGD1A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68231-1-PBS in a different storage buffer formulation.