

For Research Use Only

HIGD1A Monoclonal antibody

Catalog Number: 68231-1-Ig



Basic Information

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| Catalog Number: 68231-1-Ig | GenBank Accession Number: BC000601 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 25994 | CloneNo.: 3A8E2 |
| Source: Mouse | UNIPROT ID: Q9Y241 | Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800 |
| Isotype: IgG2b | Full Name: HIG1 hypoxia inducible domain family, member 1A | |
| Immunogen Catalog Number: AG14027 | Calculated MW: 93 aa, 10 kDa | |
| | Observed MW: 10 kDa | |

Applications

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| Tested Applications: WB, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: Human | WB : LNCaP cells, HeLa cells, HepG2 cells, K-562 cells, human placenta tissue |
| | 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

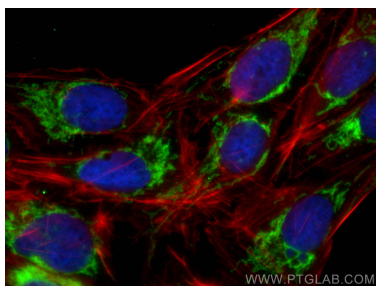
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

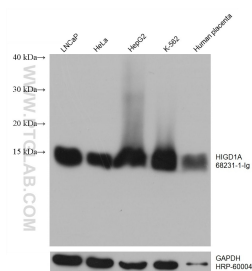
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 U2OS cells using HIGD1A antibody (68231-1-Ig, Clone: 3A8E2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



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.