

For Research Use Only

HIGD1A Polyclonal antibody

Catalog Number: 21749-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

21749-1-AP

Size:

150ul, Concentration: 220 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293T cells, HeLa cells, rat brain tissue, rat kidney tissue, HepG2 cells

IF/ICC : HepG2 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 (22342701). It is induced by hypoxia induction. This antibody is a rabbit polyclonal antibody raised against a full-length human HIGD1A protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhenyu Xu	34787061	Bioengineered	WB
Daniella H Hock	33451405	Mol Cell Proteomics	WB
Takaharu Hayashi	25605899	Proc Natl Acad Sci U S A	WB, IF, IP

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

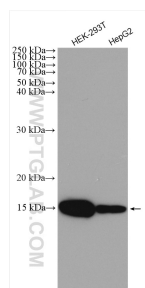
For technical support and original validation data for this product please contact:

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

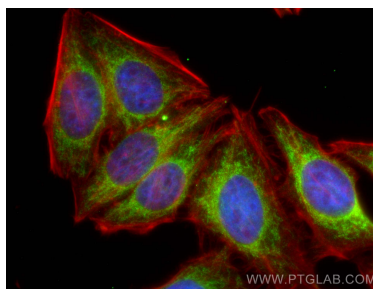
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21749-1-AP (HIGD1A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HIGD1A antibody (21749-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).