

For Research Use Only

# HIGD1A Monoclonal antibody

Catalog Number: 68231-1-Ig



## Basic Information

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

## Applications

### Tested Applications:

IF, WB, ELISA

### Species Specificity:

Human

### Positive Controls:

WB : LNCaP cells, HeLa cells, HepG2 cells, K-562 cells,  
human placenta tissue

IF : 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

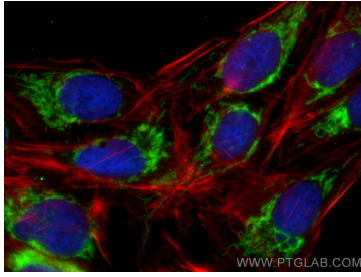
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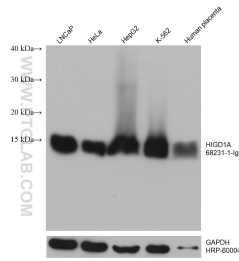
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## Selected Validation Data



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).



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.