

For Research Use Only

HIG2 Polyclonal antibody

Catalog Number:15587-1-AP



Basic Information

Catalog Number: 15587-1-AP	GenBank Accession Number: BC001863	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 29923	Recommended Dilutions: WB 1:500-1:1000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9Y5L2	
Isotype: IgG	Full Name: chromosome 7 open reading frame 68	
Immunogen Catalog Number: AG7829	Calculated MW: 7 kDa	
	Observed MW: 7-10 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : A549 cells, IF/ICC : A549 cells,

Background Information

HIG2 (Hypoxia inducible gene 2), also known as hypoxia inducible lipid droplet associated (HILPDA), is a gene that plays a significant role in the context of hypoxia, particularly in cancer biology. HIG2 is can be induced by hypoxia and glucose deprivation. It is expressed under low-oxygen conditions, which are common in the tumor microenvironment, and has been identified as a target gene of hypoxia-inducible factor-1 (HIF-1). HIG2 is implicated in the development and progression of various types of cancer, including renal cell carcinoma(PMID: 15930302), cell lymphoma(PMID: 26757780), epithelial ovarian cancer(PMID: 20134266), and uterine cancer(PMID: 21614900). Its expression is often elevated in these cancers and is associated with poor prognosis.

Storage

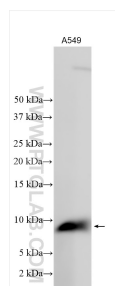
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

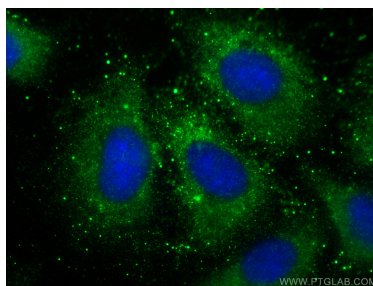
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 15587-1-AP (H1G2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using H1G2 antibody (15587-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).