For Research Use Only

HIG2 Polyclonal antibody

Catalog Number:15587-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
15587-1-AP

Size:
400 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7829

GenBank Accession Number:
BC001863

GeneID (NCBI):
29923

UNIPROT ID:
Q9Y5L2

Full Name:
chromosome 7 open reading frame 68

Calculated MW:
7 kDa

Observed MW:
7-10 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human

Positive Controls:

WB : A549 cells,

IF/ICC : A549 cells,

Background Information

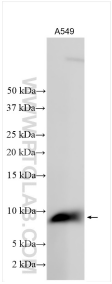
HIG2 (Hypoxia inducible gene 2), also known as hypoxia inducible lipid droplet associated (HILPDA), is a gene that plays a significant role in the context of hypoxia, particularly in cancer biology. HIG2 is can be induced by hypoxia and glucose deprivation. It is expressed under low-oxygen conditions, 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

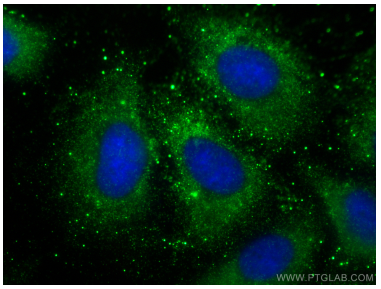
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15587-1-AP (HIG2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using HIG2 antibody (15587-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).