

For Research Use Only

HIG2 Polyclonal antibody, PBS Only

Catalog Number:15587-1-PBS



Basic Information

Catalog Number:

15587-1-PBS

Concentration:

1 mg/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

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human

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 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

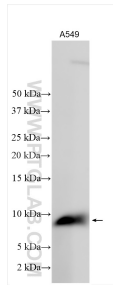
T: 4006900926

E: Proteintech-CN@ptglab.com

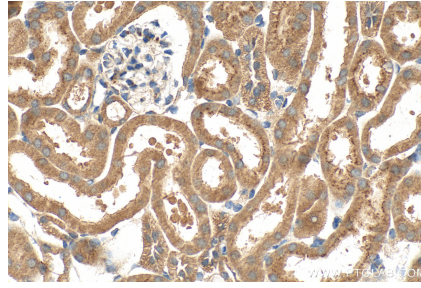
W: ptgcn.com

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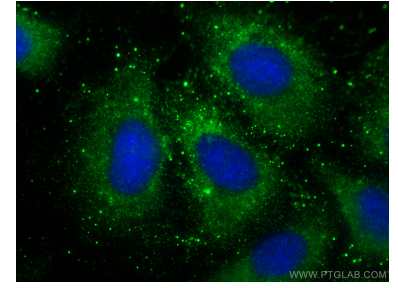
Selected Validation Data



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. This data was developed using the same antibody clone with 15587-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15587-1-AP (HIG2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15587-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 15587-1-PBS in a different storage buffer formulation.