

INVS Polyclonal antibody

Catalog Number: 10585-1-AP

Featured Product

11 Publications

Basic Information

Catalog Number:

10585-1-AP

Size:

150ul, Concentration: 350 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0934

GenBank Accession Number:

BC006370

GeneID (NCBI):

27130

UNIPROT ID:

Q9Y283

Full Name:

inversin

Calculated MW:

118 kDa, 100 kDa

Observed MW:

100-110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF, IHC, ELISA

Cited Applications:

WB, IF, FC, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF-7 cells, K-562 cells, L02 cells, SH-SY5Y cells, mouse skeletal muscle tissue, HepG2 cells, Raji cells, Jurkat cells

IHC : human breast cancer tissue, human hepatocirrhosis tissue

IF/ICC : Hela cells, hTERT-RPE1 cells

Background Information

INVS, short for inversin, plays a role in primary cilia function and involvement in the cell cycle. It is required for normal renal development and establishment of the left-right axis. INVS may be involved in Wnt signaling pathways by acting as a molecular switch between different them. Inhibits the canonical Wnt pathway by targeting cytoplasmic disheveled (DVL1) for degradation by the ubiquitin-proteasome. This suggests that it is required in renal development to oppose the repression of terminal differentiation of tubular epithelial cells by Wnt signaling. This antibody is a rabbit polyclonal antibody raised against part of the N-terminus of human INVS.

Notable Publications

Author	Pubmed ID	Journal	Application
Machteld M Oud	24677454	Am J Med Genet A	IF
Linxi Li	30808893	Cell Death Dis	WB
Ankan Gupta	35143420	JCI Insight	FC

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

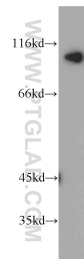
For technical support and original validation data for this product please contact:

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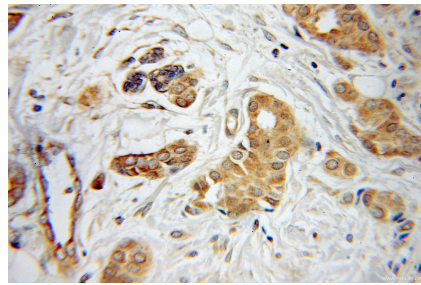
E: proteintech@ptglab.com
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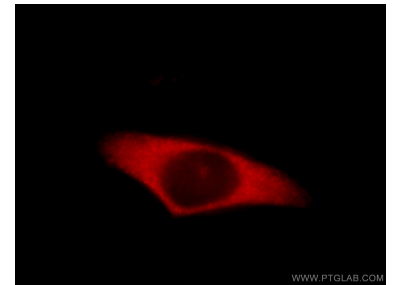
Selected Validation Data



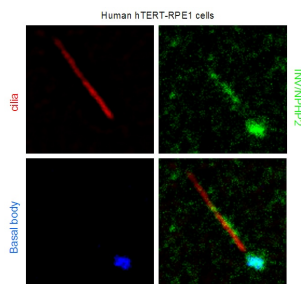
MCF7 cells were subjected to SDS PAGE followed by western blot with 10585-1-AP (INVS antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 10585-1-AP (INVS antibody) at dilution of 1:100 (under 25x lens).



Immunofluorescent analysis of HeLa cells, using INVS antibody 10585-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IF result from Dr. Corbit, Kevin. anti-INVS (also named as NPHP2; 10585-1-AP) marks the 'inversin compartment' and basal bodies of Human hTERT-RPE1 cells.