

PEG3 Polyclonal antibody

Catalog Number: 23569-1-AP

Basic Information

Catalog Number:

23569-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20132

GenBank Accession Number:

BC150272

GeneID (NCBI):

5178

UNIPROT ID:

Q9GZU2

Full Name:

paternally expressed 3

Calculated MW:

1588 aa, 181 kDa

Observed MW:

200-220 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:250-1:1000

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HepG2 cells, TT cells

IHC : human placenta tissue, mouse brain tissue

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

Background Information

Paternally expressed 3 (PEG3) was responsible for Kras/Erk- and mTOR-driven HCC (hepatocellular carcinoma) (PMID: 36451866). PEG3 can regulate the physiological processes related to energy homeostasis found in multiple tissues, such as the brain, testis, ovary, and placenta (PMID: 32729618). Epigenetic silencing and loss of imprinting of PEG3 are implicated in glioma tumorigenesis (PMID: 32231463).

Storage

Storage:

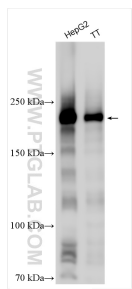
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

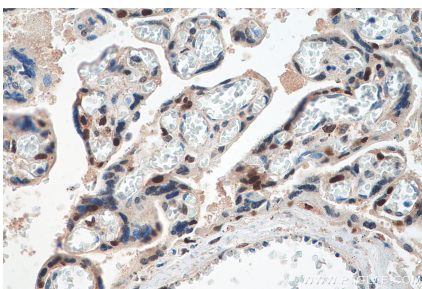
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

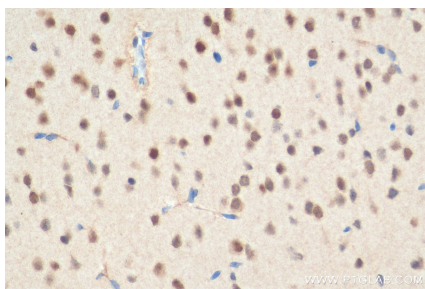
Selected Validation Data



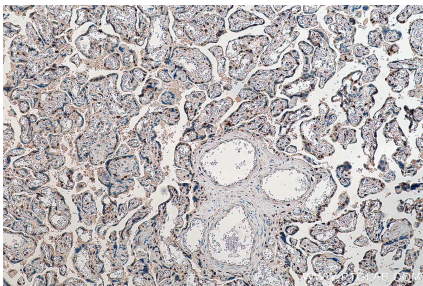
Various lysates were subjected to SDS PAGE followed by western blot with 23569-1-AP (PEG3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 23569-1-AP (PEG3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 23569-1-AP (PEG3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 23569-1-AP (PEG3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).