

For Research Use Only

PEG10 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86928-4-PBS



Basic Information

Catalog Number:

86928-4-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5754

GenBank Accession Number:

BC050659

GeneID (NCBI):

23089

UNIPROT ID:

Q86TG7

Full Name:

paternally expressed 10

Calculated MW:

80 kDa

Observed MW:

50 kDa, 100 kDa

Purification Method:

Protein A purification

CloneNo.:

251980A2

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

Paternally expressed imprinted gene 10 (PEG10) is an evolutionarily conserved HERV gene belonging to the Ty3/Gypsy family of retrotransposons. The mRNA of PEG10 encodes at least two protein isoforms: the major PEG10 protein product reading frame 1 (RF1-PEG10, ~50 kDa) and reading frames 1 and 2 (RF1/RF2-PEG10, ~100 kDa), which are translated by a typical retroviral-1 ribosomal frameshift mechanism. PEG10 is strongly expressed in placenta, ovary and testis as well as somatic adult organs including brain, kidney and lung. Researches on mice suggest that PEG10 plays an important role in placenta formation and adipocyte differentiation, and its knockout can cause embryonic lethality. (PMID: 30123090, PMID: 32244497)

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:

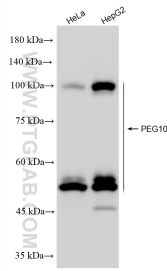
T: 4006900926

E: Proteintech-CN@ptglab.com

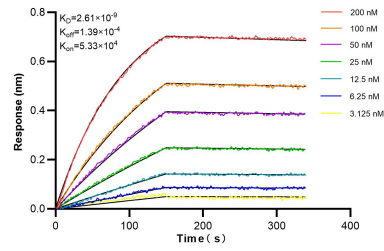
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86928-4-RR (PEG10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86928-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86928-4-RR against Human PEG10 were performed. The affinity constant is 2.61 nM.