

# PEG3 Rabbit Polyclonal Antibody



CAB12671

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

181kDa

### Calculated MW:

60kDa/165kDa/166kDa/180kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

In human, ZIM2 and PEG3 are treated as two distinct genes though they share multiple 5' exons and a common promoter and both genes are paternally expressed (PMID:15203203). Alternative splicing events connect their shared 5' exons either with the remaining 4 exons unique to ZIM2, or with the remaining 2 exons unique to PEG3. In contrast, in other mammals ZIM2 does not undergo imprinting and, in mouse, cow, and likely other mammals as well, the ZIM2 and PEG3 genes do not share exons. Human PEG3 protein belongs to the Kruppel C2H2-type zinc finger protein family. PEG3 may play a role in cell proliferation and p53-mediated apoptosis. PEG3 has also shown tumor suppressor activity and tumorigenesis in glioma and ovarian cells. Alternative splicing of this PEG3 gene results in multiple transcript variants encoding distinct isoforms.

## Immunogen information

### Gene ID:

5178

### Uniprot

Q9GZU2

### Synonyms:

PEG3; PW1; ZKSCAN22; ZNF904; ZSCAN24

### Immunogen:

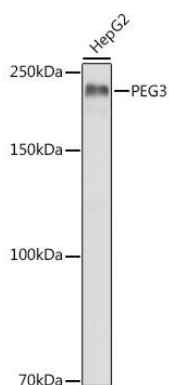
Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human PEG3 (NP\_006201.1).

### Storage:

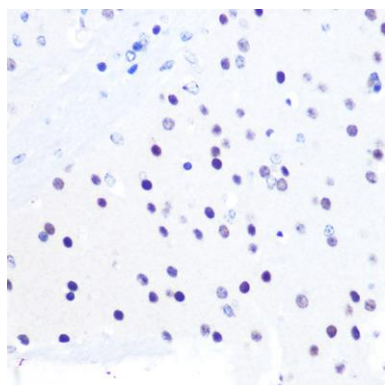
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

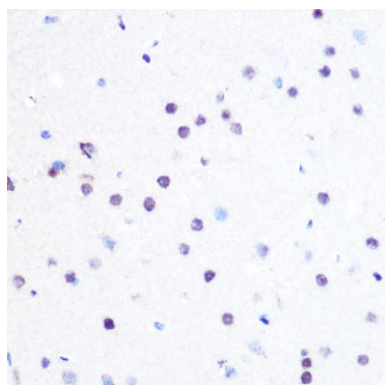
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Western blot analysis of extracts of HepG2 cells, using PEG3 antibody (CAB12671) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded mouse brain using PEG3 Rabbit pAb (CAB12671) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using PEG3 Rabbit pAb (CAB12671) at dilution of 1:100 (40x lens).