

A12671

Leader in Biomolecular Solutions for Life Science



# PEG3 Rabbit pAb

Catalog No.: A12671

## Basic Information

### Observed MW

181kDa

### Calculated MW

181kDa

### Category

Polyclonal Antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## 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.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5178

### Swiss Prot

Q9GZU2

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

PW1; ZNF904; ZSCAN24; ZKSCAN22; PEG3

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

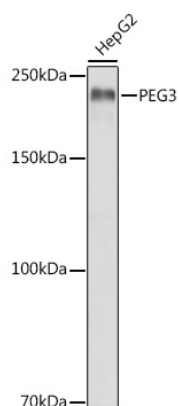
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from HepG2 cells, using PEG3 Rabbit pAb (A12671) at 1:1000 dilution.

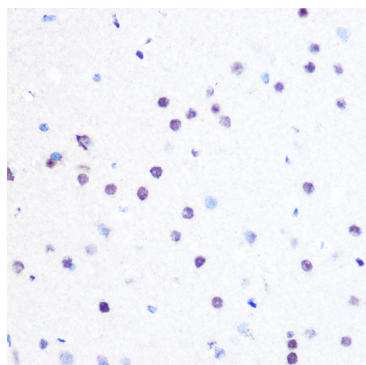
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

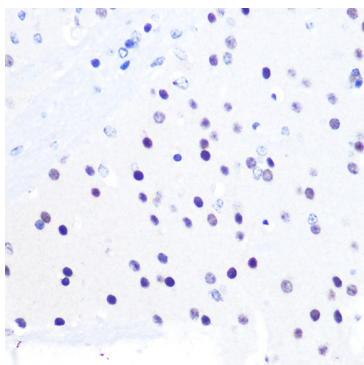
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded Rat brain using PEG3 Rabbit pAb (A12671) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using PEG3 Rabbit pAb (A12671) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.