

PEG3 Polyclonal Antibody

Catalog Number PA5-55282

Product Data Sheet

Details		Species Reactivity	
Size	100 µl	Tested species reactivity	Human
Host / Isotype	Rabbit IgG	Tested Applications	Dilution *
Class	Polyclonal	Immunocytochemistry (ICC)	1-4 µg/ml
Type	Antibody	Immunofluorescence (IF)	1-4 µg/ml
Immunogen	Recombinant protein corresponding to Human PEG3	Immunohistochemistry (IHC)	1:20-1:50
Conjugate	Unconjugated	Western Blot (WB)	0.4 µg/ml
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.1mg/ml		
Purification	Antigen affinity chromatography		
Storage Buffer	PBS, pH 7.2, with 40% glycerol		
Contains	0.02% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product Specific Information

Immunogen sequence: SSNVREYQKA RAKKKYIEHR SNETSVIHSI PFGEQTFRPR GMLYECQECG ECFAHSSDLT EHQKIHDREK PSGSRNYEWS VIRSLAPTDQ QTSYAQEQYA KEQARNKCKD FRQFFATSED LNTNQKIYDQ

Highest antigen sequence identity to the following orthologs: Mouse - 68%, Rat - 69%.

Background/Target Information

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. [provided by RefSeq, Sep 2009].

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