

**bs-1870R****[ Primary Antibody ]****BioSS**  
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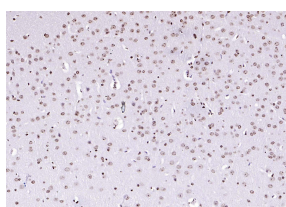
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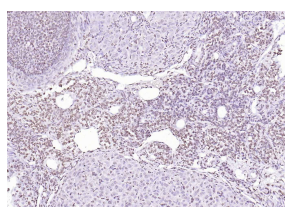
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**PEG3 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 18616 <b>Target:</b> PEG3 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human PEG3: 1501-1588/1588. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> 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.	<b>Isotype:</b> IgG <b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) <b>Reactivity:</b> Human, Mouse, Rat (predicted: Cow, Horse)  <b>Predicted MW.:</b> 175 kDa <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PEG3) Polyclonal Antibody, Unconjugated (bs-1870R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse ovary); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PEG3) Polyclonal Antibody, Unconjugated (bs-1870R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=13.116]** Ochiai H et al. Genome-wide kinetic properties of transcriptional bursting in Mouse embryonic stem cells. Sci Adv. 2020 Jun 17;6(25):eaaz6699. ICC ;Mouse. 32596448
- **[IF=11.47]** Yao, Yao, et al. "Laminin regulates PDGFR [beta]+ cell stemness and muscle development." Nature

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Communications 7 (2016). IHC ;="Mouse". 27138650

- **[IF=2.14]** Ge, Zhao-Jia, et al. "Diabetic uterus environment may play a key role in alterations of DNA methylation of several imprinted genes at mid-gestation in mice." Reproductive Biology and Endocrinology 11.1 (2013): 119. WB ;="Mouse". 24378208