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# PEG10 Rabbit pAb

货号: **AYP15152**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC
推荐浓度	<b>WB:</b> 1:200 - 1:2000 <b>IHC:</b> 1:50 - 1:200
理论分子量	36kDa/80kDa
实测分子量	55kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	MCF7,SW620,HepG2,U-251MG
细胞定位	Cytoplasm,Nucleus
纯化	Affinity purification

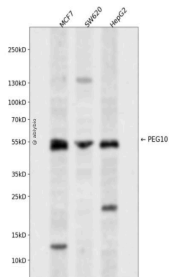
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-325 of human PEG10 (NP_001035242.1).
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## 靶点信息

研究背景	This is a paternally expressed imprinted gene that is thought to have been derived from the Ty3/Gypsy family of retrotransposons. It contains two overlapping open reading frames, RF1 and RF2, and expresses two proteins: a shorter, gag-like protein (with a CCHC-type zinc finger domain) from RF1; and a longer, gag/pol-like fusion protein (with an additional aspartic protease motif) from RF1/RF2 by -1 translational frameshifting (-1 FS). While -1 FS has been observed in RNA viruses and transposons in both prokaryotes and eukaryotes, this gene represents the first example of -1 FS in a eukaryotic cellular gene. This gene is highly conserved across mammalian species and retains the heptanucleotide (GGGAAAC) and pseudoknot elements required for -1 FS. It is expressed in adult and embryonic tissues (most notably in placenta) and reported to have a role in cell proliferation, differentiation and apoptosis. Overexpression of this gene has been associated with several malignancies, such as hepatocellular carcinoma and B-cell lymphocytic leukemia. Knockout mice lacking this gene showed early embryonic lethality with placental defects, indicating the importance of this gene in embryonic development. Additional isoforms resulting from alternatively spliced transcript variants, and use of upstream non-AUG (CUG) start codon have been reported for this gene.
基因ID	23089
基因名	PEG10
Swiss	Q86TG7 ( <a href="https://www.uniprot.org/uniprotkb/Q86TG7/entry">https://www.uniprot.org/uniprotkb/Q86TG7/entry</a> )
别名	PEG10,EDR,HB-1,MEF3L,Mar2,Mart2,RGAG3,RTL2,SIRH1,PEG10 Rabbit pAb,Embryonal carcinoma differentiation-regulated protein,Mammalian retrotransposon-derived protein 2,Myelin expression factor 3-like protein 1,Paternally expressed gene 10 protein,Retrotransposon gag domain-containing protein 3

## 产品验证



Western blot analysis of PEG10 expressed in MCF7, SW620, HepG2 using PEG10 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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