

小鼠抗 PEG10 单克隆抗体

中文名称： 小鼠抗 PEG10 单克隆抗体

英文名称： Anti-PEG10 mouse monoclonal antibody

别名： paternally expressed 10; EDR; HB-1; Mar2; RTL2; MEF3L; Mart2; RGAG3; SIRH1

相关类别： 一抗

储存： 冷冻（-20℃）

宿主： Mouse

抗原： PEG10

反应种属： Human

标记物： Unconjugate

克隆类型： Mouse Monoclonal

技术规格

Background:

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 (GGG

	<p>AAAC) 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.</p>
Applications:	WB, IP
Name of antibody:	PEG10
Immunogen:	Fusion protein of human PEG10
Full name:	paternally expressed 10
Synonyms:	EDR; HB-1; Mar2; RTL2; MEF3L; Mart2; RGAG3; SIRH1
SwissProt:	Q86TG7
WB Predicted band size:	80 kDa
WB Positive control:	Hela cell lysate
WB Recommended dilution:	1000-5000

