

Mouse anti-Human PEG10 Monoclonal Antibody | anti-PEG10 antibody

PEG10 Antibody

CATALOG # AAA111303	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PEG10; Monoclonal Antibody; PEG10 Antibody; Retrotransposon-derived protein PEG10; 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; Retrotransposon-derived gag-like polyprotein; Ty3/Gypsy-like protein; anti-PEG10 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels of PEG10 and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	325
Applicable Applications for anti-PEG10 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Purified recombinant human PEG10 protein fragments expressed in E Coli.
Cellular Localization	Nucleus; Cytoplasm

IMAGES



Application Data

Immunoprecipitation analysis of HeLa cell lysates using PEG10 antibody.



Application Data

Western blot detection of PEG10 in HeLa cell lysates using PEG10 antibody (1:1000 diluted).
Predicted band size:55KDa. Observed band size:55KDa, 95KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PEG10 antibody	UniPort Summary Function: reverts apoptosis in hepatocellular carcinoma (HCC) cells through interaction with SIAH1, a mediator of apoptosis. May also have a role in cell growth promotion and hepatoma formation. Inhibits the TGF-beta signaling by interacting with the TGF-beta receptor ALK1. When overexpressed, induces the formation of cellular extension, such as filipodia in association with ALK1. Involved at the immediate early stage of adipocyte differentiation (By similarity). May bind to the 5'-GCCTGTCTTT-3' DNA sequence of the MB1 domain in the myelin basic protein (MBP) promoter Entrez Summary: This is a paternally expressed imprinted gene that encodes transcripts containing two overlapping open reading frames (ORFs), RF1 and RF1/RF2, as well as retroviral-like slippage and pseudoknot elements, which can induce a-1 nucleotide frame-shift. ORF1 encodes a shorter isoform with a CCHC-type zinc finger motif containing a sequence characteristic of gag proteins of most retroviruses and some retrotransposons. The longer isoform is the result of-1 translational frame-shifting leading to translation of a gag/pol-like protein combining RF1 and RF2. It contains the active-site consensus sequence of the protease domain of pol proteins. Additional isoforms resulting from alternatively spliced transcript variants, as well as from use of upstream non-AUG (CUG) start codon, have been reported for this gene. Increased expression of this gene is associated with hepatocellular carcinomas. [provided by RefSeq, May 2010]
Product Categories/Family for anti-PEG10 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	94421473
NCBI GeneID	23089
NCBI Accession #	NP_001035242.1
NCBI GenBank Nucleotide #	NM_001040152
UniProt Accession #	Q86TG7; Q96A68; Q9UPV1
Molecular Weight	55kDa
NCBI Official Full Name	retrotransposon-derived protein PEG10 isoform 2
NCBI Official Synonym Full Names	paternally expressed 10
NCBI Official Symbol	PEG10
NCBI Official Synonym Symbols	EDR; HB-1; Mar2; RTL2; MEF3L; Mart2; RGAG3; SIRH1
NCBI Protein Information	retrotransposon-derived protein PEG10
UniProt Protein Name	Retrotransposon-derived protein PEG10
UniProt Gene Name	PEG10
UniProt Synonym Gene Names	EDR; KIAA1051; MAR2; MART2; MEF3L1; RGAG3; MEF3-like protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/peg10-antibody-immunoprecipitation-western-blot-elisa/111303>