

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

PEG10 Mouse mAb

CATALOG # AAA320361	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PEG10; Monoclonal Antibody; PEG10 Mouse mAb; AA407948; Edr; Embryonal carcinoma differentiation regulated; Embryonal carcinoma differentiation-regulated protein; HB 1; HB1; KIAA1051; Mammalian retrotransposon-derived protein 2; Mar2; Mart2; MEF3 like 1; MEF3-like protein 1; MEF3L; MEF3L1; MyEF 3; Myelin expression factor 3-like protein 1; Paternally expressed 10; Paternally expressed gene 10 ORF1; Paternally expressed gene 10 protein; Peg10; PEG10 protein; PEG10_HUMAN; Putative uncharacterized protein PEG10; Retrotransposon gag domain containing 3; Retrotransposon gag domain-containing protein 3; Retrotransposon-derived gag-like polyprotein; Retrotransposon-derived protein PEG10; RGAG3; Ty3/Gypsy-like protein.; anti-PEG10 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of PEG10 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PEG10 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Purified recombinant human PEG10 protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of HeLa cell lysates using PEG10 mouse mAb.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PEG10 antibody	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.
Product Categories/Family for anti-PEG10 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	172046699
NCBI GeneID	23089
UniProt Accession #	Q86TG7; Q96A68; Q9UPV1
Molecular Weight	325
NCBI Official Full Name	Retrotransposon-derived protein PEG10
NCBI Official Synonym Full Names	paternally expressed 10
NCBI Official Symbol	PEG10
NCBI Official Synonym Symbols	EDR; HB-1; Mar2; MEF3L; Mart2; RGAG3
NCBI Protein Information	retrotransposon-derived protein PEG10; MEF3 like 1; ty3/Gypsy-like protein; paternally expressed gene 10 protein; myelin expression factor 3-like protein 1; mammalian retrotransposon-derived protein 2; retrotransposon-derived gag-like polyprotein; embryo
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
UniProt Entry Name	PEG10_HUMAN

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/320361>