

Mouse anti-Human PEG10 Antibody | anti-PEG10 antibody

PEG10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108738	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

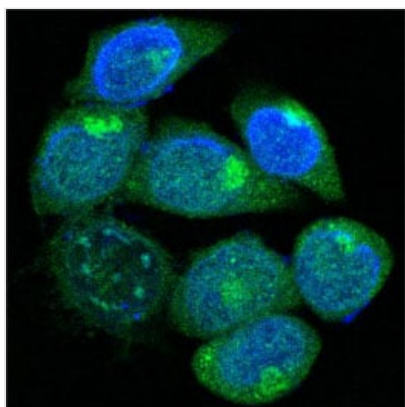
PRODUCT SYNONYMS

PEG10; PEG10 Antibody; Edr; HB-1; Mar2; MEF3L; Mart2; RGAG3; KIAA1051; anti-PEG10 antibody

PRODUCT SPECIFICATIONS

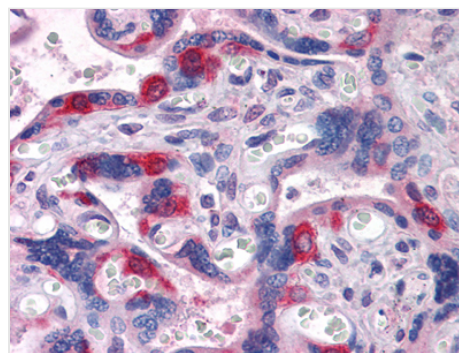
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	1B1C4
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	325
Applicable Applications for anti-PEG10 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of PEG10 (aa1-120) expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



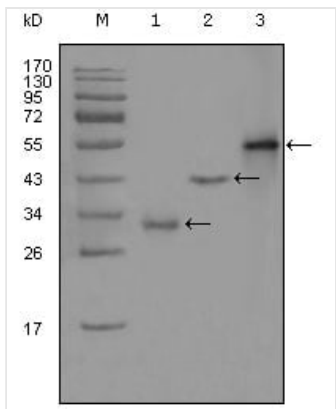
IF (Immunofluorescence)

Figure 3: Confocal immunofluorescence analysis of methanol-fixed HepG2 cells using PEG10 mouse mAb (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.



IHC (Immunohistochemistry)

Figure 2: Immunohistochemical analysis of paraffin-embedded human Placenta tissues using PEG10 mouse mAb



WB (Western Blot)

Figure 1: Western blot analysis using PEG10 mouse mAb against truncated Trx-PEG10 recombinant protein (1), truncated GST-PEG10 (aa1-120) recombinant protein (2) and full-length PEG10 (aa1-325)-hlgGFc transfected CHO-K1 cell lysate (3).

ADDITIONAL INFORMATION

Related Product Information for anti-PEG10 antibody	PEG10: paternally expressed 10. This gene includes two overlapping reading frames of the same transcript encoding distinct isoforms. The shorter isoform has a CCHC-type zinc finger motif containing a sequence characteristic of gag proteins of most retroviruses and some retrotransposons, and it functions in part by interacting with members of the TGF-beta receptor family. The longer isoform has the active-site DSG consensus sequence of the protease domain of pol proteins. The longer isoform is the result of -1 translational frameshifting that is also seen in some retroviruses. Expression of these two isoforms only comes from the paternal allele due to imprinting. Increased gene expression (as observed by an increase in mRNA levels) is associated with hepatocellular carcinomas.
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_001040152.1
UniProt Accession #	Q86TG7 ; Q96A68 ; Q9UPV1
Molecular Weight	36,966 Da
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.

