

Mouse PEG10 Monoclonal Antibody | anti-PEG10 antibody

PEG10 antibody

CATALOG # AAA74705	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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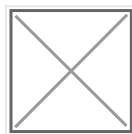
PRODUCT SYNONYMS

PEG10; Monoclonal Antibody; PEG10 antibody; Monoclonal PEG10; Anti-PEG10; PEG 10; PEG-10; Mammalian retrotransposon-derived protein 2; Paternally expressed gene 10 protein; Paternally Expressed 10; Embryonal carcinoma differentiation-regulated protein; Myelin expression factor 3-like protein 1; anti-PEG10 antibody

PRODUCT SPECIFICATIONS

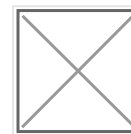
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4C10A7
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	325
Applicable Applications for anti-PEG10 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Biological Significance	PEG10 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.
Cross-Reactivity	Human
Immunogen	PEG10 antibody was raised in Mouse using a purified recombinant fragment of human PEG10 expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human hepatocarcinoma (A), breast carcinoma (B) and lung cancer tissues (C), showing cytoplasmic localization with DAB staining using PEG10 antibody.



WB (Western Blot)

Western Blot showing PEG10 antibody used against HepG2 (1), SMMC-7721 (2) and A549 (3) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-PEG10 antibody	Mouse monoclonal PEG10 antibody
Product Categories/Family for anti-PEG10 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	29792293
NCBI GeneID	23089
UniProt Accession #	Q86TG7; Q96A68; Q9UPV1
Molecular Weight	36,966 Da
NCBI Official Full Name	PEG10 protein
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
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-clone-4c10a7-western-blot-immunohistochemistry-elisa/74705>