

Rabbit anti-Human PEG10 Polyclonal Antibody | anti-PEG10 antibody

PEG10 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284432	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

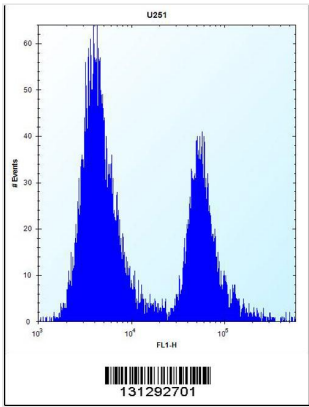
PRODUCT SYNONYMS

PEG10; Polyclonal Antibody; PEG10 Antibody (N-term); Retrotransposon-derived protein PEG10; Embryonal carcinoma differentiation-regulated protein; Mammalian retrotransposon-derived protein 2; Myelin expression factor 3-like protein 1; MEF3-like protein 1; Paternally expressed gene 10 protein; Retrotransposon gag domain-containing protein 3; Retrotransposon-derived gag-like polyprotein; Ty3/Gypsy-like protein; EDR; KIAA1051; MAR2; MART2; MEF3L1; RGAG3; anti-PEG10 antibody

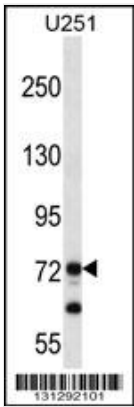
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PEG10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PEG10.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.33 (varies by lot)
Sequence Positions	1-30
Sequence Length	325
Applicable Applications for anti-PEG10 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
PEG10 Antibody (N-term) flow cytometric analysis of U251 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
PEG10 Antibody (N-term) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the PEG10 antibody detected the PEG10 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PEG10 antibody	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.
Product Categories/Family for anti-PEG10 antibody	Cancer; Signal Transduction
References	Tsuji, K., et al. Cancer Genet. Cytogenet. 198(2):118-125(2010) Chang, Y., et al. Zhonghua Gan Zang Bing Za Zhi 18(4):288-291(2010) Lux, H., et al. PLoS ONE 5 (1), E8686 (2010) : Wang, C., et al. FEBS Lett. 582(18):2793-2798(2008) Lux, A., et al. J. Biol. Chem. 280(9):8482-8493(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	94421473
NCBI GeneID	23089
NCBI Accession #	NP_001035242.1; NP_001171890.1; NP_001171891.1; NP_055883.2
NCBI GenBank Nucleotide #	NM_001040152.1
UniProt Accession #	Q86TG7; Q96A68; Q9UPV1
Molecular Weight	80173
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; 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://www.aaabiotech.com/polyclonal/peg10-antibody-flow-cytometry-western-blot-elisa/284432>