

## PEG10

**Reactivity:**Human

**Tested applications:**WB

**Recommended Dilution:**WB 1:200 - 1:2000

**Calculated MW:**80kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human PEG10

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

EDR; HB-1; Mar2; MEF3L; Mart2; RGAG3;

**Catalog #:**A2787

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**23089

**Isotype:**IgG

**Swiss Prot:**Q86TG7

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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