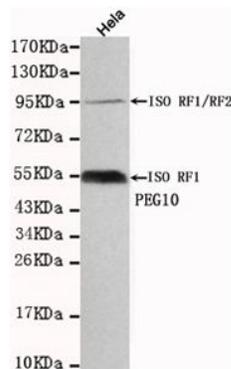




PEG10

Mouse monoclonal Antibody

#53312

Catalog Number: 53312**Amount:** 100µg/100µl**Swiss-Prot No. :** Q86TG7**Gene name:** peg10**Gene id:** 23089**Clone Number:** 1E2-F12-C12**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human PEG10 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of PEG10 and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 55kd WB: 1:1000

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.

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