



Mouse Monoclonal Antibody to PEG10

Catalogue Number	sAP-0245
Target Molecule	Name: PEG10 Aliases: Edr; HB-1; Mar2; MEF3L; Mart2; RGAG3 MW: Isoform RF1 (37kDa); RF1/RF2 (80kDa) Entrez Gene ID: 23089
Description	PEG10, paternally expressed 10. The 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.
Immunogen	Purified recombinant fragment of human PEG10 expressed in E. Coli.
Recitative Species	Human
Clone	MM4C10A7;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Oncogene. 2007 Aug 23;26(39):5741-51. ; 2. FEBS Lett. 2008 Aug 6;582(18):2793-8.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**