

## Mouse Monoclonal Antibody to PEG10

<b>Catalogue Number</b>	sAP-0244
<b>Target Molecule</b>	<b>Name:</b> PEG10 <b>Aliases:</b> Edr; HB-1; Mar2; MEF3L; Mart2; RGAG3; KIAA1051 <b>MW:</b> N/A <b>Entrez Gene ID:</b> 23089
<b>Description</b>	PEG10: paternally expressed 10. This gene 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.
<b>Immunogen</b>	Purified recombinant fragment of PEG10 (aa1-120) expressed in E. Coli.
<b>Recitative Species</b>	Human
<b>Clone</b>	MM1B1C4;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	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**