

Summary

Production Name	PEG10 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	PEG10
Alternative Names	Edr; HB-1; Mar2; MEF3L; Mart2; RGAG3; KIAA1051
Gene ID	23089.0
SwissProt ID	Q86TG7.Purified recombinant fragment of PEG10 (aa1-120) expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000,ICC:1:200-1:1000,ELISA:1:10000
Molecular Weight	/

Background

PEG10: paternally expressed 10. This gene includes two overlapping reading frames of the same transcript encoding

Product Name: PEG10 Mouse Monoclonal Antibody
Catalog #: AMM80704

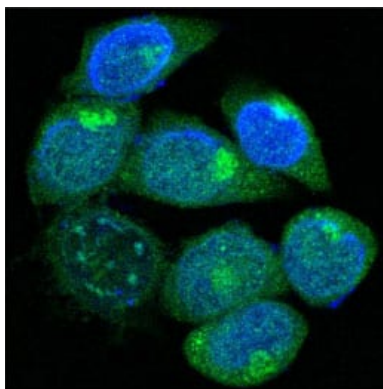


distinct isoforms. The shorter isoform has a CCHC-type zinc finger motif containing a sequence characteristic of gag proteins of most retroviruses and some retrotransposons, and it functions in part by interacting with members of the TGF-beta receptor family. The longer isoform has the active-site DSG 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.

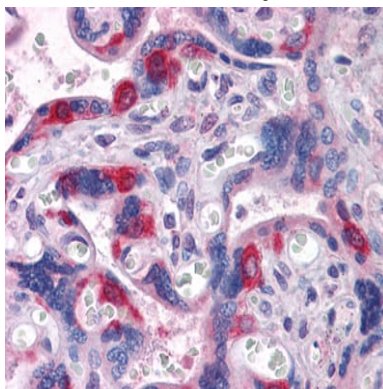
Research Area

Apoptosis

Image Data



Confocal Immunofluorescence analysis of methanol-fixed HepG2 cells using PEG10 mouse mAb (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.



Immunohistochemical analysis of paraffin-embedded human Placenta tissues using PEG10 mouse mAb

Note

For research use only.