Datasheet for ABIN969348

anti-PEG10 antibody (AA 1-120)

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Overview

Quantity:	100 µL
Target:	PEG10
Binding Specificity:	AA 1-120
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of PEG10 (aa1-120) expressed in E. coli.
Clone:	1B1C4
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PEG10
Alternative Name:	PEG10 (PEG10 Products)
Background:	Description: 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-

Target Details

	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. Aliases: Edr, HB-1, Mar2, MEF3L, Mart2, RGAG3, KIAA1051
Gene ID:	23089
HGNC:	23089

Application Details

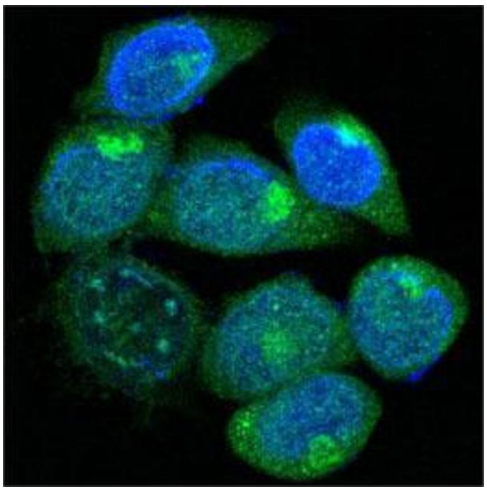
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

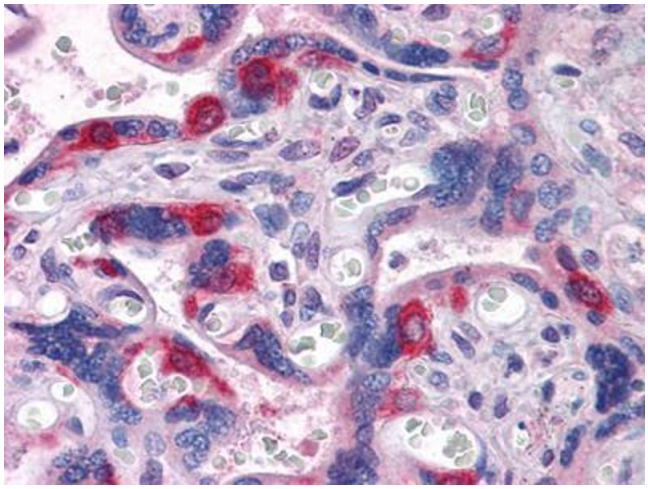
Publications

Product cited in:	Toka, Dunaway, Smaltz, Szulc-Dąbrowska, Drnevich, Mielcarska, Bossowska-Nowicka, Schweizer: "Bacterial and viral pathogen-associated molecular patterns induce divergent early transcriptomic landscapes in a bovine macrophage cell line." in: **BMC genomics**, Vol. 20, Issue 1, pp. 15, (2019) (PubMed). Murakami, Maeda, Yonezawa, Matsuki: "CC chemokine ligand 2 and CXC chemokine ligand 8 as neutrophil chemoattractant factors in canine idiopathic polyarthritis." in: **Veterinary immunology and immunopathology**, Vol. 182, pp. 52-58, (2016) (PubMed).



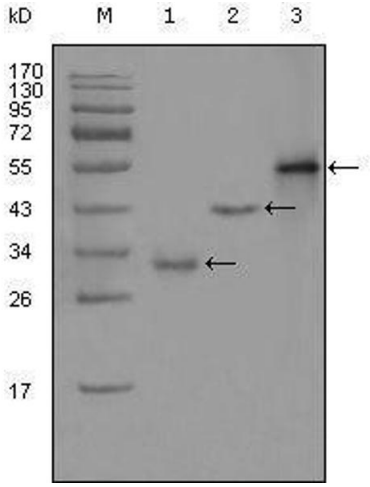
Immunofluorescence

Image 1. Confocal immunofluorescence analysis of methanol-fixed HepG2 cells using PEG10 mouse mAb (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human Placenta tissues using PEG10 mouse mAb



Western Blotting

Image 3. Western blot analysis using PEG10 mouse mAb against truncated Trx-PEG10 recombinant protein (1),truncated GST-PEG10 (aa1-120) recombinant protein (2) and full-length PEG10 (aa1-325)-hIgGFc transfected CHO-K1 cell lysate (3).