Product Datasheet

PEG10 Antibody

Catalog No: #31112

Package Size: #31112-1 50ul #31112-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PEG10 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PEG10 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to C terminal 250 amino acids of human paternally expressed 10
Target Name	PEG10
Other Names	paternally expressed 10, EDR, HB-1, Mar2, MEF3L, Mart2, RGAG3
Accession No.	Swiss-Prot:Q86TG7Gene ID:23089;
Uniprot	Q86TG7
GeneID	23089;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

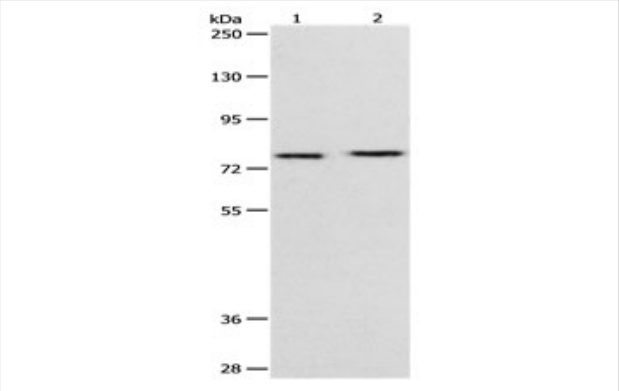
Application Details

Predicted MW: 80kd

ELISA: 1:1000-1:5000

Western blotting: 1:400

Images



Gel: 8%SDS-PAGE
Lane1: 231 cell lysate
Lane2: A549 cell lysate
Lysates: 40 ug per lane
Primary antibody: 1/200dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 1 minute

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.

Note: This product is for in vitro research use only