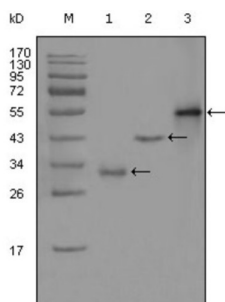
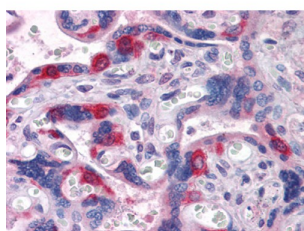


Retrotransposon-Derived Protein PEG10 (PEG10) Antibody

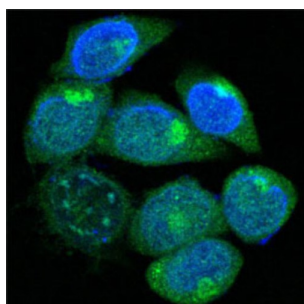
Catalogue No.: abx0111331



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



Immunohistochemical analysis of paraffin-embedded human Placenta tissues using PEG10 antibody.



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

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.

Target: Retrotransposon-Derived Protein PEG10 (PEG10)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, IHC, IF/ICC

Datasheet

Version: 3.0.0
Revision date: 13 Sep 2025



Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of PEG10 (aa1-120) expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q86TG7 (UniProt , ExPASy)
Gene Symbol:	PEG10
GeneID:	23089
OMIM:	609810
HGNC:	14005
KEGG:	hsa:23089
Ensembl:	ENSG00000242265
String:	9606.ENSP00000418944
Molecular Weight:	80 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.