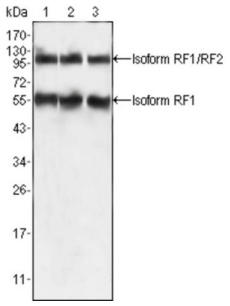
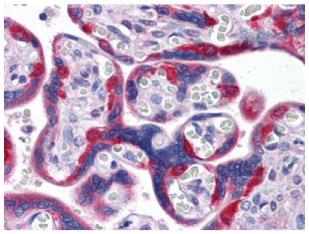
Retrotransposon-Derived Protein PEG10 (PEG10) Antibody

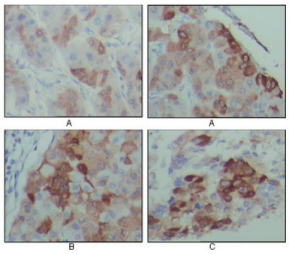
Catalogue No.:abx015965



Western blot analysis using PEG10 antibody against HepG2 (1), SMMC-7721 (2) and A549 (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded human hepatocarcinoma (A), breast carcinoma (B) and lung cancer tissues (C), showing cytoplasmic localization with DAB staining using PEG10 antibody.



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

PEG10, paternally expressed 10.The PEG10 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

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Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human PEG10 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:	Isoform RF1: 37 kDa RF1/RF2: 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.

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