



Rabbit Anti-MEST antibody

SL18797R

Product Name:	MEST
Chinese Name:	中胚层特异性转录同源蛋白MEST抗体
Alias:	DKFZp686L18234; EC 3.-.-.; Mesoderm specific transcript (mouse) homolog; Mesoderm specific transcript homolog (mouse); Mesoderm-specific transcript homolog protein; MEST; MEST_HUMAN; MGC111102; MGC8703; OTTHUMP00000210362; OTTHUMP00000210364; OTTHUMP00000210367; Paternally expressed gene 1; Paternally-expressed gene 1 protein; PEG1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MEST:101-200/335
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the alpha/beta hydrolase superfamily. It is imprinted, exhibiting preferential expression from the paternal allele in fetal tissues, and isoform-specific imprinting in lymphocytes. The loss of imprinting of this gene has been linked

to certain types of cancer and may be due to promotor switching. The encoded protein may play a role in development. Alternatively spliced transcript variants encoding multiple isoforms have been identified for this gene. Pseudogenes of this gene are located on the short arm of chromosomes 3 and 4, and the long arm of chromosomes 6 and 15. [provided by RefSeq, Dec 2011]

Subcellular Location:

Endoplasmic reticulum membrane.

Tissue Specificity:

Highly expressed in hydatidiform moles, but barely expressed in dermoid cysts. Biallelic expression is detected in blood lymphocytes. Seems to be imprinted in an isoform-specific manner rather than in a tissue-specific manner in lymphocytes. Isoform 1 is expressed only from the paternal allele. Isoform 2 is expressed from both the paternal allele and the maternal allele.

Similarity:

Belongs to the AB hydrolase superfamily.

SWISS:

Q5EB52

Gene ID:

4232

Database links:

[Entrez Gene: 4232](#) Human

[Entrez Gene: 404180](#) Cow

[Entrez Gene: 607717](#) Dog

[Entrez Gene: 17294](#) Mouse

[Entrez Gene: 100147710](#) Pig

[Entrez Gene: 58827](#) Rat

[Omim: 601029](#) Human

[SwissProt: Q2HJM9](#) Cow

[SwissProt: Q5EB52](#) Human

[SwissProt: Q07646](#) Mouse

[SwissProt: Q6P5P5](#) Rat

[Unigene: 270978](#) Human

[Unigene: 59431](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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