



Rabbit Anti-DRES17 antibody

SL6299R

Product Name:	DRES17
Chinese Name:	乳腺癌相关蛋白DRES17抗体
Alias:	DRES17; Drosophila-related expressed sequence 17; hprune; HTCD37; Prune homolog; PRUNE like protein; TcD37 homolog; PRUNE HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	50kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DRES17:201-300/453
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:	PRUNE, the human homologue of the Drosophila gene, is located in 1q21.3, a region highly amplified in human sarcomas, malignant tumours of mesenchymal origin. Human prune (h-prune), a phosphoesterase DHH family appertaining protein, physically interacts with nm23-H1, a metastasis suppressor gene. h-prune is involved in cellular motility and metastasis formation. Metastatic breast cancers were found to overexpress h-prune; h-prune was also found to be highly expressed in colorectal and pancreatic

cancers. Hence h-prune is considered useful as a marker for tumor aggressiveness.

Function:

Phosphodiesterase (PDE) that has higher activity toward cAMP than cGMP, as substrate. Plays a role in cell proliferation, is able to induce cell motility and acts as a negative regulator of NME1.

Subunit:

Homooligomer. Able to homodimerize via its C-terminal domain. Interacts with NME1. Interacts with GSK3; at focal adhesion complexes where paxillin and vinculin are colocalized.

Subcellular Location:

Cytoplasm. Nucleus. Cell junction, focal adhesion. Note=In some transfected cells a nuclear staining is also observed.

Tissue Specificity:

Ubiquitously expressed. Seems to be overexpressed in aggressive sarcoma subtypes, such as leiomyosarcomas and malignant fibrous histiocytomas (MFH) as well as in the less malignant liposarcomas.

Similarity:

Belongs to the PPase class C family. Prune subfamily.

SWISS:

Q86TP1

Gene ID:

58497

Database links:

[Entrez Gene: 58497](#)Human

[Entrez Gene: 229589](#)Mouse

[SwissProt: Q86TP1](#)Human

[SwissProt: Q8BIW1](#)Mouse

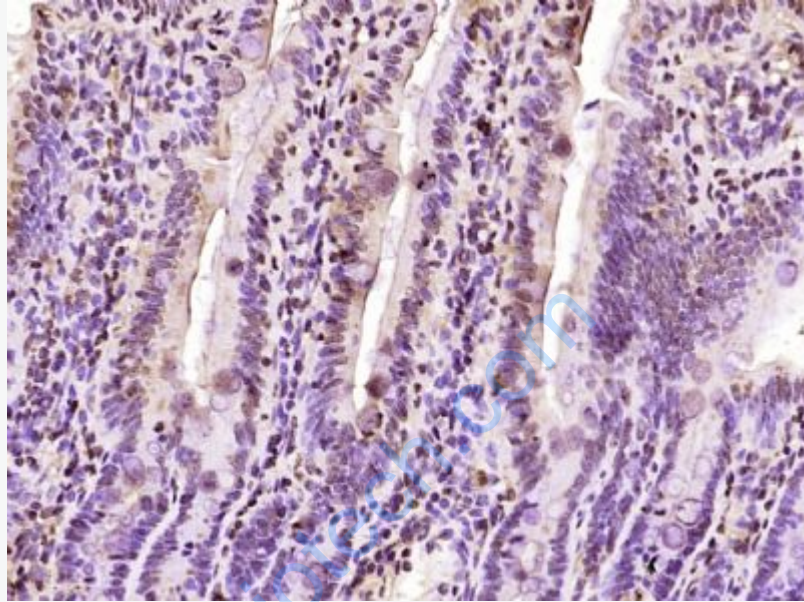
[Unigene: 728223](#)Human

[Unigene: 14155](#)Mouse

[Unigene: 279287](#)Mouse

Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse intestine tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DRES17) Polyclonal Antibody, Unconjugated (SL6299R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.