



Rabbit Anti-RHBDF1 antibody

SL19867R

Product Name:	RHBDF1
Chinese Name:	菱形结合域同源蛋白RHBDF1抗体
Alias:	C 16 orf 8; C16orf8; chromosome 16 open reading frame 8; Dist 1; Dist1; EGFR RS; epidermal growth factor receptor related sequence; FLJ 2235; FLJ 22357; FLJ2235; FLJ22357; gene 89; gene 90; h Dist 1; hDist 1; hDist1; RHBDF 1; rhomboid 5 homolog 1 (Drosophila); Rhomboid 5 homolog 1; rhomboid family 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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:	97kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RHBDF1:261-360/855
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:	RHBDF1 is a seven-transmembrane protein with a long N-terminal cytoplasmic extension that comprises half of the polypeptide sequence, and is found in the endoplasmic reticulum and Golgi, but not on the cell surface. RHBDF1 has a pivotal role in sustaining growth signals in epithelial cancer cells and thus may serve as a

therapeutic target for treating epithelial cancers.

Function:

Rhomboid protease-like protein which has no protease activity but regulates the secretion of several ligands of the epidermal growth factor receptor. Indirectly activates the epidermal growth factor receptor signaling pathway and may thereby regulate sleep, cell survival, proliferation and migration.

Subunit:

Homodimer, or homooligomer. Interacts with TGFA and HBEGF. Interacts with EGF; may retain EGF in the endoplasmic reticulum and regulates its degradation through the endoplasmic reticulum-associated degradation (ERAD).

Subcellular Location:

Endoplasmic reticulum and Golgi Apparatus.

Tissue Specificity:

Highly expressed in cerebellum, cerebrum, heart, skeletal muscle, placenta, pancreatic islet and testis. Detected at lower levels in colon, kidney, small intestine and lung.

Similarity:

Belongs to the peptidase S54 family.

SWISS:

Q96CC6

Gene ID:

64285

Database links:

[Entrez Gene: 64285](#) Human

[Entrez Gene: 13650](#) Mouse

[Entrez Gene: 303008](#) Rat

[SwissProt: Q96CC6](#) Human

[SwissProt: Q6PIX5](#) Mouse

[SwissProt: Q499S9](#) 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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