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Rabbit Anti-ZFYVE16 antibody

SL19157R

Product Name:	ZFYVE16
Chinese Name:	Zinc finger protein结构域ZFYVE16抗体
Alias:	AI035632; B130024H06Rik; B130031L15; DKFZp686E13162; Endofin; Endosomal associated FYVE domain protein; Endosome associated FYVE domain protein; Endosome-associated FYVE domain protein; KIAA0305; KIAA0305;; mKIAA0305; OTTMUSP00000029589; RGD1564784; ZFY16_HUMAN; ZFYVE16; Zinc finger FYVE domain containing protein 16; Zinc finger FYVE domain-containing protein 16; Zinc finger, FYVE domain containing 16.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,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:	88kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ZFYVE16:1201-1300/1539
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 an endosomal protein that belongs to the FYVE zinc finger family of proteins. The encoded protein is thought to regulate membrane trafficking in the

endosome. This protein functions as a scaffold protein in the transforming growth factor-beta signaling pathway and is involved in positive and negative feedback regulation of the bone morphogenetic protein signaling pathway. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Function:
May be involved in regulating membrane trafficking in the endosomal pathway. Overexpression induces endosome aggregation. Required to target TOM1 to endosomes.

Subunit:
Contains 1 FYVE-type zinc finger.

Subcellular Location:
Cytoplasm. Early endosome membrane. Localized to early endosomes. Membrane-associated, probably via its association with phosphatidylinositol 3-phosphate.

Tissue Specificity:
Widely expressed. Highly expressed in kidney, placenta and lung. Expressed at intermediate level in heart, brain, skeletal muscle, spleen and liver. Weakly expressed in colon, thymus and peripheral blood lymphocytes.

SWISS:
Q7Z3T8

Gene ID:
9765

Database links:

Entrez Gene: 9765 Human

Omim: 608880 Human

SwissProt: Q7Z3T8 Human

Unigene: 482660 Human

Unigene: 660410 Human

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