

Rabbit ZFYVE16 Polyclonal Antibody | anti-ZFYVE16 antibody

ZFYVE16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323330	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ZFYVE16; Polyclonal Antibody; ZFYVE16 Antibody; AI035632; B130024H06Rik; B130031L15; DKFZp686E13162; Endofin; Endosomal associated FYVE domain protein; Endosome associated FYVE domain protein; Endosome-associated FYVE domain protein; KIAA0305; mKIAA0305; OTTMUSP00000029589; RGD1564784; ZFY16_HUMAN; Zinc finger FYVE domain containing protein 16; Zinc finger FYVE domain-containing protein 16; Zinc finger; FYVE domain containing 16; anti-ZFYVE16 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ZFYVE16 antibody detects endogenous levels of ZFYVE16.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	809
Applicable Applications for anti-ZFYVE16 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ZFYVE16.
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.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog, Chicken
Similarity	Bovine (92%), Horse (85%), Sheep (92%), Dog (85%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of HEK-293 cells, using ZFYVE16 antibody.



IHC (Immunohistochemistry)
AAA323330 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ZFYVE16 antibody	Function: May be involved in regulating membrane trafficking in the endosomal pathway. Overexpression induces endosome aggregation. Required to target TOM1 to endosomes. Subunit Structure: Interacts with the C-terminus of TOM1. Does not interact with TOM1L1 or TOM1L2. Similarity: The FYVE-type zinc finger is necessary and sufficient for its localization into early endosomes and mediates the association with PI3P.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	546232072
NCBI GeneID	9765
NCBI Accession #	NP_001271166.1
NCBI GenBank Nucleotide #	NM_001284237.1
UniProt Accession #	Q7Z3T8; O15023; Q5H9U2; Q7LAU7; Q86T69; Q8N5L3; Q8NEK3
Molecular Weight	Observed: 169 kDa; 250 kDa Predicted: 169 kDa
NCBI Official Full Name	zinc finger FYVE domain-containing protein 16 isoform b
NCBI Official Synonym Full Names	zinc finger FYVE-type containing 16
NCBI Official Symbol	ZFYVE16
NCBI Official Synonym Symbols	PPP1R69
NCBI Protein Information	zinc finger FYVE domain-containing protein 16
UniProt Protein Name	Zinc finger FYVE domain-containing protein 16
UniProt Gene Name	ZFYVE16
UniProt Synonym Gene Names	KIAA0305

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/zfyve16-antibody-immunohistochemistry-western-blot-elisa/323330>