

Rabbit anti-Human, Mouse ZFYVE19 Polyclonal Antibody | anti-ZFYVE19 antibody

ZFYVE19 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325267	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ZFYVE19; Polyclonal Antibody; ZFYVE19 Antibody; Abscission/NoCut checkpoint regulator; ANCHR; MLL partner containing FYVE domain; MPFYVE; ZFY19_HUMAN; ZFYVE 19; Zfyve19; Zinc finger FYVE domain containing protein 19; Zinc finger FYVE domain-containing protein 19; Zinc finger FYVE type containing 19; Zinc finger; FYVE domain containing 19; anti-ZFYVE19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ZFYVE19 antibody detects endogenous levels of total ZFYVE19
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	471
Applicable Applications for anti-ZFYVE19 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoskeleton
Tissue Specificity	Detected in brain, heart, skeletal muscle, kidney and liver.
Predicted Cross Reactivity	Horse, Rabbit, Dog
Similarity	Horse (87%), Rabbit (100%), Dog (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325267 staining HT29 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HT-29 cells, using ZFYVE19 antibody.



IHC (Immunohistochemistry)

AAA325267 at 1/100 staining Mouse muscle 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.



WB (Western Blot)

Western blot analysis of extracts from HeLa, using ZFYVE19 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ZFYVE19 antibody

Function: Key regulator of abscission step in cytokinesis: part of the cytokinesis checkpoint, a process required to delay abscission to prevent both premature resolution of intercellular chromosome bridges and accumulation of DNA damage. Together with CHMP4C, required to retain abscission-competent VPS4 (VPS4A and/or VPS4B) at the midbody ring until abscission checkpoint signaling is terminated at late cytokinesis. Deactivation of AURKB results in dephosphorylation of CHMP4C followed by its dissociation from ZFYVE19/ANCHR and VPS4 and subsequent abscission.

Subunit Structure: Interacts (via MIM1-B) with VPS4A; interaction takes place at the midbody ring following cytokinesis checkpoint activation.

Similarity: The FYVE-type zinc finger mediates binding to phosphatidylinositol-3-phosphate (PtdIns3P).The MIM1-B motif mediates interaction with VPS4A.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116268103
NCBI GeneID	84936
NCBI Accession #	NP_001070736.1
NCBI GenBank Nucleotide #	NM_001077268.1
UniProt Accession #	Q96K21; Q86WC2; Q8WU96; B3KVB2; C9JNF4; H3BUF9
Molecular Weight	Observed: 50 kD Predicted: 52 kDa
NCBI Official Full Name	abscission/NoCut checkpoint regulator isoform 1
NCBI Official Synonym Full Names	zinc finger FYVE-type containing 19
NCBI Official Symbol	ZFYVE19
NCBI Official Synonym Symbols	ANCHR; MPFYVE
NCBI Protein Information	abscission/NoCut checkpoint regulator
UniProt Protein Name	Abscission/NoCut checkpoint regulator
UniProt Gene Name	ZFYVE19

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/zfyve19-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325267>