

Rabbit ZYX Polyclonal Antibody | anti-ZYX antibody

ZYX Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326617	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

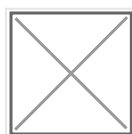
PRODUCT SYNONYMS

ZYX; Polyclonal Antibody; ZYX Antibody; ESP 2; ESP2; HED 2; HED2; ZYX protein; Zyxin 2; Zyxin2; anti-ZYX antibody

PRODUCT SPECIFICATIONS

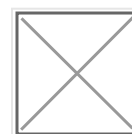
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ZYX antibody detects endogenous levels of total ZYX
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	572
Applicable Applications for anti-ZYX antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ZYX
Subcellular Location	Cytoplasmic, Cytoskeletal and Nuclear.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
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 HeLa, using ZYX antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

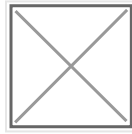
AAA326617 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

**WB (Western Blot)**

Western blot analysis of extracts from mouse muscle, using ZYX Antibody.

**IHC (Immunohistochemistry)**

AAA326617 at 1/100 staining Human gastric 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 mouse spleen, using ZYX Antibody.

ADDITIONAL INFORMATION**Related Product Information for anti-ZYX antibody**

Description: The zyxin family of proteins includes LIMD1, ajuba, trip6 and zyxin, each of which contains three LIM domains at the carboxy-terminus. Zyxin family members associate with the actin cytoskeleton and are components of both the cell-cell junction adhesive complex and the integrin-mediated adhesive complex. They shuttle in and out of the nucleus where they may function in transcriptional activation (1). Zyxin is involved in the regulation of mechanical force-induced actin polymerization at focal adhesions (2), and in regulation of adhesion and migration, possibly through recruitment of Ena/VASP proteins to focal adhesions (3). Zyxin interacts with and may regulate the function of the tumor suppressor myopodin, which inhibits tumor growth and metastasis (4).

Function: Adhesion plaque protein. Binds alpha-actinin and the CRP protein. Important for targeting TES and ENA/VASP family members to focal adhesions and for the formation of actin-rich structures. May be a component of a signal transduction pathway that mediates adhesion-stimulated changes in gene expression (By similarity).

Subunit Structure: Interacts with HPV type 6 protein E6. Does not interact significantly with E6 proteins from HPV types 11, 16, or 18. Interacts, via the Pro-rich regions, with the EVH1 domains of ENAH, EVL and VASP. Interacts with the first LIM domain of TES. Interacts with NEBL (isoform 2). Interacts with SYNPO2.

Similarity: Belongs to the zyxin/ajuba family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	58530845
NCBI GeneID	7791
NCBI Accession #	NP_001010972.1
NCBI GenBank Nucleotide #	NM_001010972.1
UniProt Accession #	Q15942; Q6I9S4; A4D2G6; B4DQX7
Molecular Weight	Observed: 80 kDa Predicted: 62 kDa
NCBI Official Full Name	zyxin isoform 1
NCBI Official Synonym Full Names	zyxin
NCBI Official Symbol	ZYX
NCBI Official Synonym Symbols	ESP-2; HED-2
NCBI Protein Information	zyxin
UniProt Protein Name	Zyxin
UniProt Gene Name	ZYX

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/zyx-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326617>