

Product Datasheet

Zyxin Antibody (2C10-4A7) - Azide and BSA Free H00007791-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00007791-M01

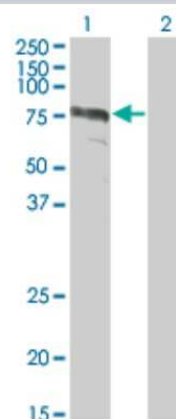
Zyxin Antibody (2C10-4A7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2C10-4A7
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	7791
Gene Symbol	ZYX
Species	Human
Marker	Focal Adhesion Marker
Specificity/Sensitivity	ZYX - zyxin
Immunogen	ZYX (AAH08743, 1 a.a. ~ 572 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAAPRPSPAISVSVSAPAFYAPQEKFGPVVAPKPKVNPFRPGDSEPPPPAPGAQ RAQMGRVGEIPPPPPEDFPLPPPPLAGDGDDAEGALGGAFFPPPPPIEESFPP APLEEEIFSPPPPPPEEEGGPEAPIPPPPQPREKVSSIDLEIDSLSSLLDDMTKN DPFKARVSSGYVPPPVATPFSSKSSTKPAAGGTAPLPPWKSPSSSQPLPQVPA PAQSQTQFHVQPQPQPKPQVQLHVQSQTQPVSLANTQPRGPPASSPAPAPK FSPVTPKFTPVASKFSPGAPGGSGSQPNQKLGHPEALSAGTGSPQPPSFTYA QQREKPRVQEKQHPVPPPAQNQNQVRSPGAPGLTLKEVEELEQLTQQLMQ DMEHPQRQNVAVNELCGRCHQPLARAQPAVRALGQLFHACFTCHQCAQQQLQ GQQFYSLGAPYCEGCYTDLTLEKCNTCGEPITDRMLRATGKAYHPHCFTCVV CARPLEGTSFIVDQANRPHCVDPYHKQYAPRCSVCSEPIPEPGRDETVRVVA LDKNFHMKCYECEDCGKPLSIEADDNGCFPLDGHVLCRKCHTARAQT
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Application Notes	Antibody reactivity against transfected lysate and recombinant protein for WB. It has been used for ELISA, RNAi Validation and IF.

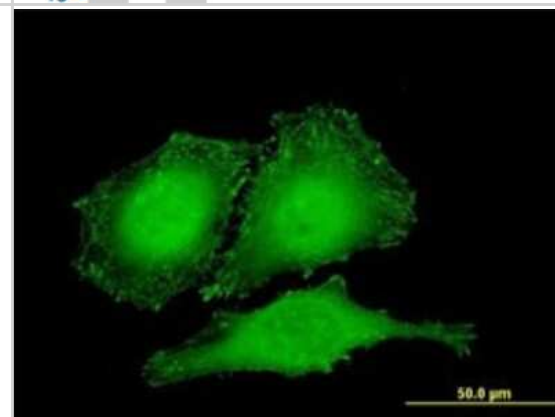


Images

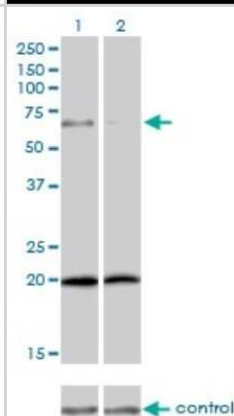
Western Blot: Zyxin Antibody (2C10-4A7) [H00007791-M01] - Analysis of ZYX expression in transfected 293T cell line by ZYX monoclonal antibody (M01), clone 2C10-4A7. Lane 1: ZYX transfected lysate(61.3 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: Zyxin Antibody (2C10-4A7) [H00007791-M01] - Analysis of monoclonal antibody to ZYX on HeLa cell . Antibody concentration 10 ug/ml.



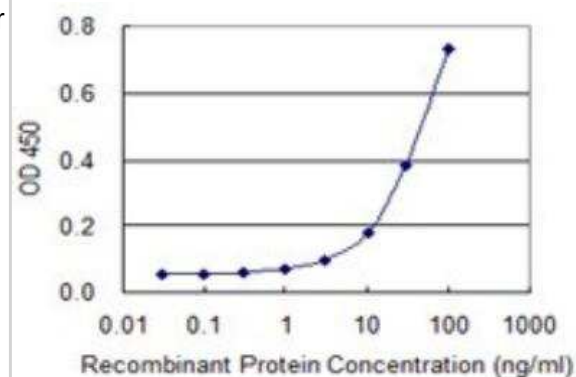
Western Blot: Zyxin Antibody (2C10-4A7) [H00007791-M01] - Analysis of ZYX over-expressed 293 cell line, cotransfected with ZYX Validated Chimera RNAi (Cat # H00007791-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ZYX monoclonal antibody (M01), clone 2C10-4A7 (Cat # H00007791-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Immunoprecipitation: Zyxin Antibody (2C10-4A7) [H00007791-M01] - Analysis of ZYX transfected lysate using anti-ZYX monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ZYX MaxPab rabbit polyclonal antibody.



ELISA: Zyxin Antibody (2C10-4A7) [H00007791-M01] - Detection limit for recombinant GST tagged ZYX is 1 ng/ml as a capture antibody.



Publications

Kang X, Deng Y, Cao Y, Huo Y et Al. Zyxin Mediates Vascular Repair via Endothelial Migration Promoted by Forskolin in Mice Front Physiol 2021-10-25 [PMID: 34690814]

Ming-Chung W, Helen Y, Yin-Quan C et al. Early committed polarization of intracellular tension in response to cell shape determines the osteogenic differentiation of mesenchymal stromal cells. Acta Biomater. 2022-11-01 [PMID: 36328121]

Yang C, Yanjie S, Yanan D et al. Defective VWF secretion due to expression of MYH9-RD E1841K mutant in endothelial cells disrupts hemostasis. Blood Adv. 2022-08-09 [PMID: 35764499]

Kiyoshima D, Tatsumi H, Hirata H et al. Tensile loads on tethered actin filaments induce accumulation of cell adhesion-associated proteins in vitro. Langmuir 2018-09-25 [PMID: 30204447]

Higashiguchi K, Morita N, Matsuda K. et al. Structural Colored Balloon Composed of Temperature-Responsive Polymers Showing LCST Behavior. Langmuir 2018-09-28 [PMID: 30203977]

Kenific CM, Stehbens SJ, Goldsmith J et al. NBR1 enables autophagy-dependent focal adhesion turnover. J Cell Biol 2016-02-22 [PMID: 26903539] (WB)

Wang ZH, Zhao ZJ, Xu K et al. Hereditary protein S deficiency leads to ischemic stroke. Mol Med Rep 2015-09-01 [PMID: 25997409] (WB)

Hirata H, Tatsumi H, Sokabe M. Mechanical forces facilitate actin polymerization at focal adhesions in a zyxin-dependent manner. J Cell Sci;121(Pt 17):2795-804. 2008-09-01 [PMID: 18682496]

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00007791-P01-10ug	Recombinant Human Zyxin GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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