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530-758-4400

PRODUCT DATASHEET

Anti-N-WASP (Tyr-256), Phosphospecific Antibody

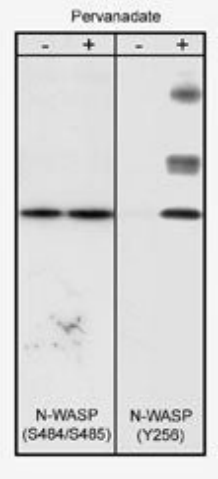
phosphosolutions ANTIBODIES THAT WORK

Product Details

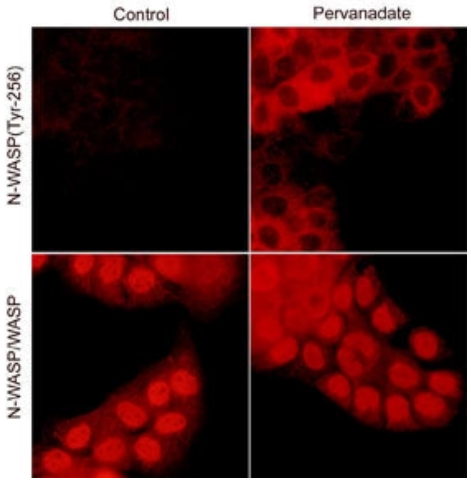
Available Variants	100 µL (SKU:WP2601)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	WASL
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-N-WASP (Tyr-256) synthetic peptide (coupled to BSA) corresponding to amino acid residues around tyrosine 256 of human N-WASP. The human WASP sequence has a two amino acid difference in the same region surrounding tyrosine 291.
Specificity	This antibody was cross-adsorbed to phosphotyrosine then affinity purified using phospho-N-WASP (Tyr-256) peptide (without carrier). The antibody detects a 65 kDa* protein corresponding to the molecular mass of phosphorylated N-WASP on SDS-PAGE immunoblots of A431 cells treated with pervanadate. A similar band is observed in pervanadate treated HeLa and endothelial cells. Weak bands are also observed at higher molecular weights after pervanadate treatment. These bands may be due to low cross-reactivity with phosphotyrosine.
Molecular Weight	65

Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	O00401 UniProt Summary: Regulates actin polymerization by stimulating the actin-nucleating activity of the Arp2/3 complex. Involved in various processes, such as mitosis and cytokinesis, via its role in the regulation of actin polymerization. Together with CDC42, involved in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia. In addition to its role in the cytoplasm, also plays a role in the nucleus by regulating gene transcription, probably by promoting nuclear actin polymerization. Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression. Plays a role in dendrite spine morphogenesis. Decreasing levels of DNMBP (using antisense RNA) alters apical junction morphology in cultured enterocytes, junctions curve instead of being nearly linear.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Tyr-256
NCBI Gene ID	8976

Product Images



Western blot analysis of control and pervanadate-treated A431 cells (20 µg/lane). Blots were probed with either rabbit polyclonal anti-N-WASP (Ser-484/Ser-485) or anti-N-WASP (Tyr-256).



Immunocytochemical labeling of N-WASP in control and pervanadate-treated A431 cells. The cells were labeled with rabbit polyclonal N-WASP/WASP (WP2101) or rabbit polyclonal N-WASP (Tyr-256) antibodies, then the antibodies were detected using appropriate secondary antibody conjugated to DyLight® 594.