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PRODUCT DATASHEET

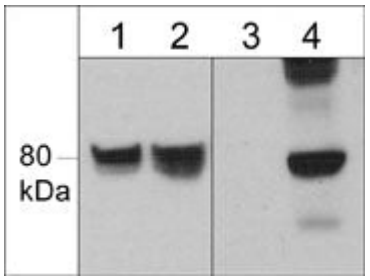
Anti-WAVE1 (Tyr-125), Phosphospecific Antibody

Product Details

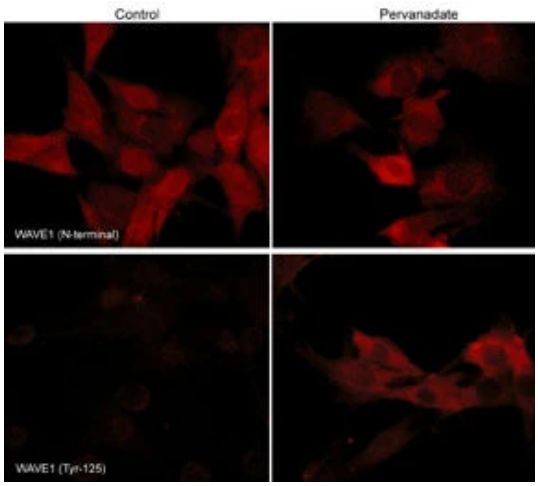
Available Variants	100 µL (SKU:WP1771)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	WASF1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:200
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-WAVE (Tyr-125) peptide (coupled to KLH) corresponding to amino acid residues surrounding Tyr-125 in human WAVE1. This sequence has high homology with similar regions in rat and mouse WAVE1, and has less than 50% homology to similar regions in the conserved site in WAVE2 (Tyr-124) and WAVE3 (Tyr-125).
Specificity	This antibody was cross-adsorbed to phospho-WAVE (Tyr-150) and unphosphorylated WAVE (Tyr-125) peptides before affinity purification using phospho-WAVE (Tyr-125) peptide. In western blots, the antibody detects an 80 kDa* band corresponding to phosphorylated WAVE in human SYF cSrc transformed cells and mouse macrophages treated with pervanadate, but is not observed in control cells. These bands can be specifically blocked with phospho-WAVE (Tyr-125) peptide (WX1775), but not phospho-WAVE (Tyr-150) peptide (WX1825).
Molecular Weight	80

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	Q92558
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-125

Product Images



Western blot of human SYF cSrc transformed cells untreated (lanes 1 & 3) or treated (lanes 2 & 4) with pervanadate (1 mM; 30 min). The blots were probed with anti-WAVE1 (N-terminal region) (lanes 1 & 2) or anti-WAVE (Tyr-125) (lanes 3 & 4).



Immunocytochemical labeling of phosphorylated WAVE in pervanadate-treated mouse C2C12. The cells were labeled with rabbit polyclonal WAVE1 (N-terminal region) and WAVE (Tyr-125) antibodies, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.