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PRODUCT DATASHEET

Anti-p130 Cas (Tyr-762), Phosphospecific Antibody

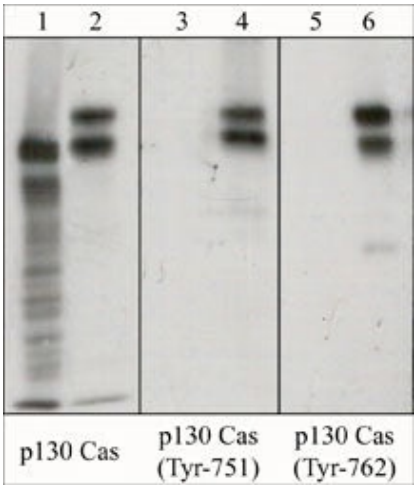
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:PP1451)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	BCAR1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-p130 Cas (Tyr-762) synthetic peptide (coupled to KLH) corresponding to amino acid residues around tyrosine 762 in the Src-binding domain of rat p130 Cas. This rat sequence is the same as Tyr-664 in human p130 Cas and Tyr-668 in mouse p130 Cas. This site is also highly conserved in Cas-L (HEF1, Nedd9).
Specificity	This antibody was cross-adsorbed to phospho-tyrosine coupled to agarose and to phospho-p130 Cas (Tyr-751) peptide before affinity purification using phospho-p130 Cas (Tyr-762) peptide (without carrier). The antibody detects a 130 kDa* protein corresponding to the molecular mass of phosphorylated p130 Cas on SDS-PAGE immunoblots of pervanadate treated human A431 cells, but not in control cells.
Molecular Weight	130
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	Q63767 UniProt Summary: Docking protein which plays a central coordinating role for tyrosine kinase-based signaling related to cell adhesion. Implicated in induction of cell migration and cell branching. Involved in the BCAR3-mediated inhibition of TGFB signaling.
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-762
NCBI Gene ID	25414

Product Images



Western blot analysis of human endothelial cells serum starved overnight (lanes 1, 3, & 5) or treated with pervanadate (1 mM) for 30 minutes (lanes 2, 4, & 6). The blot was probed with anti-p130 Cas (PM1441; lanes 1 & 2), anti-p130 Cas (Tyr-751) (PP1581; lanes 3 & 4) or anti-p130 Cas (Tyr-762) (PP1451; lanes 5 & 6).



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