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530-758-4400

PRODUCT DATASHEET

Anti-Integrin β4 (Tyr-1526), Phosphospecific Antibody

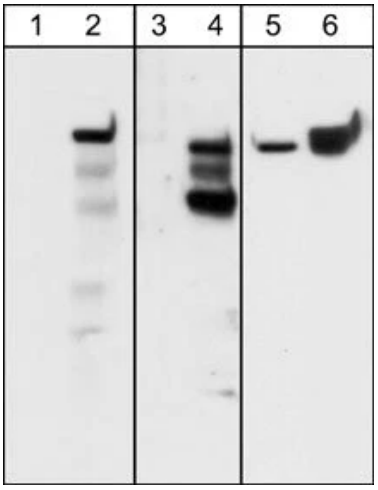
phosphosolutions ANTIBODIES THAT WORK

Product Details

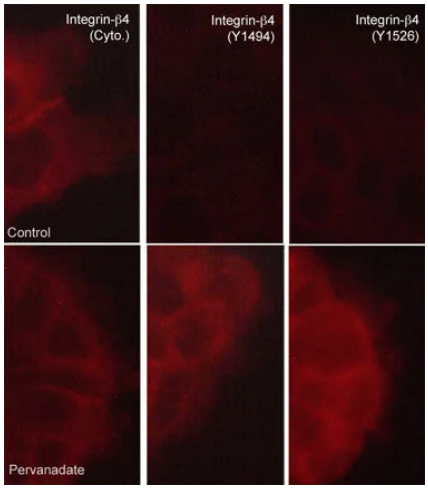
Available Variants	100 µL (SKU:IP1291)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	ITGB4
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-Integrin β4 (Tyr-1526) synthetic peptide (coupled to KLH) corresponding to amino acid residues around tyrosine 1526 of human Integrin β4. This peptide sequence is found in all three Integrin β4 isoforms and is highly conserved in rat and mouse Integrin β4.
Specificity	This antibody was cross-adsorbed to phospho-tyrosine coupled to agarose and to unphosphorylated Integrin β4 (Tyr-1526) peptide before affinity purification using phospho-Integrin β4 (Tyr-1526) peptide (without carrier). The purified antibody detects a 200kDa* protein corresponding to the molecular mass of Integrin β4 on SDS-PAGE immunoblots of A431 and src-transformed Hct116 cells treated with pervanadate, but not in control cells.
Molecular Weight	200
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	P16144 UniProt Summary: Integrin alpha-6/beta-4 is a receptor for laminin. Plays a critical structural role in the hemidesmosome of epithelial cells. Is required for the regulation of keratinocyte polarity and motility. ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling. ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling. ITGA6:ITGB4 binds to IGF2 and this binding is essential for IGF2 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-1526
NCBI Gene ID	3691

Product Images



Western blot analysis of A431 cells serum starved overnight (lanes 1, 3, & 5) and treated with pervanadate (1 mM) for 30 min (lanes 2, 4, & 6). The blots were probed with rabbit polyclonal anti-Integrin β4 (Tyr-1526) (lanes 1 & 2) and anti-Integrin β4 (Tyr-1494) (lanes 3 & 4) or with mouse monoclonal anti-Integrin β4 (lanes 5 & 6).



Immunocytochemical labeling of integrin β4 in control (Top) and pervanadate-treated A431 cells (Bottom). The cells were labeled with mouse monoclonal anti-integrin β4 (Cytoplasmic region) (left) or rabbit polyclonals anti-integrin β4 (Tyr-1494) (middle) or anti-integrin β4 (Tyr-1526) (right), then the antibodies were detected using appropriate secondary antibodies conjugated to DyLight® 594.