

Rabbit Integrin b4 (Tyr-1494) Polyclonal Antibody

Integrin beta4 (Tyr-1494), phospho-specific

CATALOG # AAA71523	HOST Rabbit	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot, ELISA
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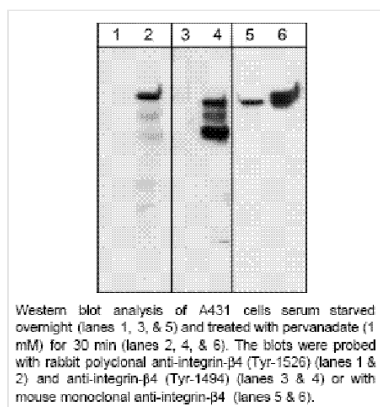
PRODUCT SYNONYMS

Integrin b4 (Tyr-1494); Polyclonal Antibody; Integrin beta4 (Tyr-1494); phospho-specific; CD104; GP150; anti-Integrin b4 (Tyr-1494) antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody was cross-adsorbed to phospho-tyrosine coupled to agarose then affinity purified using phosphointegrin- b4 (Tyr-1494) peptide (without carrier). The antibody detects a 200kDa* protein corresponding to the molecular mass of integrin-b4 on SDS-PAGE immunoblots of A431 cells treated with pervanadate, but not in control cells. Similar results were also observed in src-transformed Hct116 cells treated with pervanadate.
Purity/Purification	Affinity Purified
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100 ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-Integrin b4 (Tyr-1494) antibody	WB (Western Blot), ELISA
Immunogen	Phospho-integrin-b4 (Tyr-1494) synthetic peptide (coupled to KLH) corresponding to amino acid residues around tyrosine 1494 of human integrin-b4. This peptide sequence is found in all three integrin-b4 isoforms and is highly conserved in rat and mouse integrin-b4.
Preparation and Storage	Store at -20 degree C. Do not aliquot. Stable for 1 year.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-Integrin b4 (Tyr-1494) antibody	Integrins are cell adhesion molecules that can mediate bidirectional transfer of signals across the plasma membrane. The cytoplasmic domains of integrin family members interact with components of the signal transduction apparatus within cells. Integrin alpha-6-beta-4receptors are found in basement membrane along with laminin-5. These receptors are expressed in epithelial, schwann, endothelial and some immune cells. The cytoplasmic domain of the integrin-beta-4 subunit recruits the adaptor protein Shc and is required for assembly of hemidesmosomes. Tyrosine phosphorylation of multiple sites within the cytoplasmic domain regulates these cellular events. In particular, tyrosine 1526 interacts with the phosphotyrosine binding domain of Shc and is required for Shc activation. In addition, tyrosine 1494 is required for integrin-mediated IRS-2 phosphorylation and activation of PI3-kinase. More importantly this site is critical for integrin alpha-6-beta-4 increases in carcinoma invasion.
References	• Shaw, L.M. (2001). Mol Cell Biol. 21(15):5082-5093. • Dans, M. et al. (2001). J Biol Chem. 276(2):1494-1502. • Kim, H.I. et al. (2008) Cancer Prev Res. 1(5):385. (WB: Human b4 transfectants)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/integrin-b4-tyr-1494-antibody-western-blot-elisa/71523>