Product Datasheet

Integrin b3(Phospho-Tyr785) Antibody

Catalog No: #11282

Package Size: #11282-1 50ul #11282-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

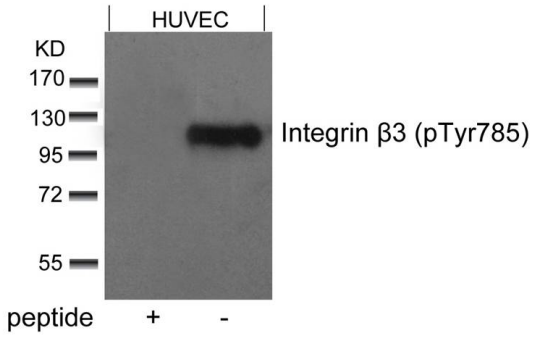
Product Name	Integrin b3(Phospho-Tyr785) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Integrin b3 only when phosphorylated at tyrosine 785.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 785 (I-T-Y(p)-R-G) derived from Human Integrin b3.
Target Name	Integrin b3
Modification	Phospho
Other Names	CD61 antigen; GP3A; GPIIIa; ITB3; Platelet membrane glycoprotein IIIa
Accession No.	Swiss-Prot: P05106NCBI Protein: NP _000203.2
Uniprot	P05106
GeneID	3690;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 110kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HUVEC cells using Integrin b3(Phospho-Tyr785) Antibody #11282 and the same antibody preincubated with blocking peptide .

Background

Integrin a-V/beta-3 is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin a-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. Integrins a-IIb/beta-3 and a-V/beta-3 recognize the sequence R-G-D in a wide array of ligands. Integrin a-IIb/beta-3 recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin a-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial surface. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.

Sujoy Bhattacharya, et al. (2006) Biochem J. August 1; 397(Pt 3): 437

Note: This product is for in vitro research use only