

Datasheet for ABIN7139067

anti-Integrin beta 3 antibody (pTyr773)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	Integrin beta 3 (ITGB3)
Binding Specificity:	pTyr773
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Integrin beta 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 773 (P-L-Y(p)-K-E) derived from Human Integrin b3.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
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 chromatography using

Target Details

Target:	Integrin beta 3 (ITGB3)
Alternative Name:	ITGB3 (ITGB3 Products)

Target Details

Background: Background: Integrin α -V/ β -3 is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor. Integrin α -IIb/ β -3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. Integrins α -IIb/ β -3 and α -V/ β -3 recognize the sequence R-G-D in a wide array of ligands. Integrin α -IIb/ β -3 recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin α -IIb/ β -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.

Chandhoke SK, et al. (2004) J Cell Sci.117 (Pt 8): 1431-1441.

Datta A, et al. (2002) J Biol Chem.277 (6): 3943-3949.

Law DA, et al. (1996) J Biol Chem.271 (18): 10811-10815.

Aliases: BDPLT16 antibody, BDPLT2 antibody, CD 61 antibody, CD61 antibody, CD61 antigen antibody, GP3A antibody, GPIIIa antibody, GT antibody, HPA 1 antibody, HPA 4 antibody, Integrin beta 3 (platelet glycoprotein IIIa antigen CD61) antibody, Integrin beta chain beta 3 antibody, Integrin beta-3 antibody, ITB3_HUMAN antibody, ITG B3 antibody, ITGB 3 antibody, ITGB3 antibody, NAIT antibody, platelet fibrinogen receptor antibody, Platelet fibrinogen receptor beta subunit antibody, Platelet fibrinogen receptor, beta subunit antibody, Platelet glycoprotein IIIa antibody, Platelet glycoprotein IIIa precursor antibody, Platelet membrane glycoprotein IIIa antibody, PTP antibody

UniProt: [P05106](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Smooth Muscle Cell Migration](#), [Integrin Complex](#)

Application Details

Application Notes: WB:1:500-1:1000, IHC:1:50-1:100,

Restrictions: For Research Use only

Handling

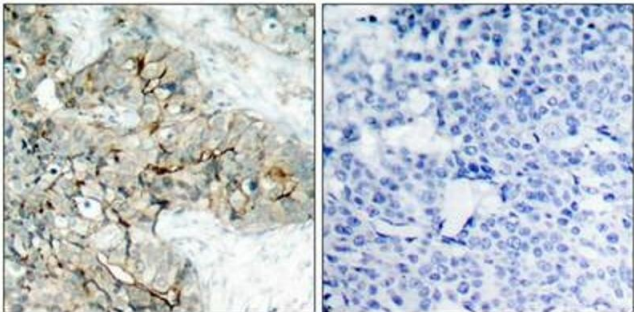
Format: Liquid

Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM

Handling

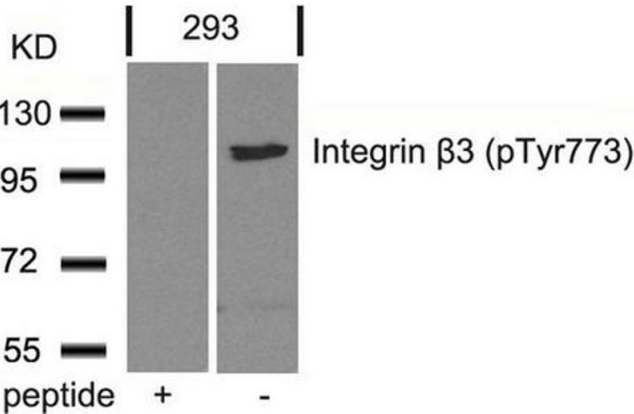
	NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Integrin b3(Phospho-Tyr773) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from 293 cells using Integrin b3(Phospho-Tyr773) Antibody and the same antibody preincubated with blocking peptide.