

Integrin b3(Ab-773) Antibody

Catalog No: #21082



Package Size: #21082-1 50ul #21082-2 100ul #21082-4 25ul

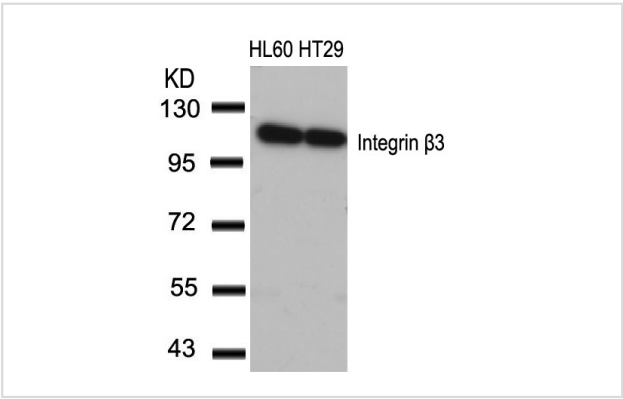
Overview

Product Name	Integrin b3(Ab-773) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide-KLH
Target Name	Integrin b3
Alternative Names	Platelet membrane glycoprotein IIIa

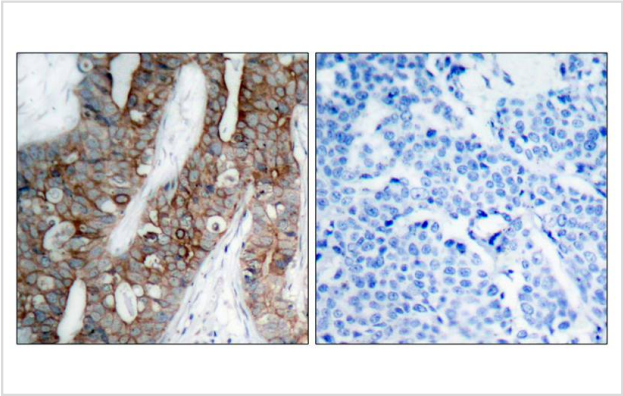
Application Details

Predicted MW: 110kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HL60 and HT29 cells using Integrin b3(Ab-773) Antibody #21082.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Integrin b3(Ab-773) Antibody #21082(left) or the same antibody preincubated with blocking peptide(right).

Descriptions

Immunogen	Peptide sequence around aa. 771~775 (P-L-Y-K-E) derived from Human Integrin b3.
Specificity	The antibody detects endogenous level of total Integrin b3 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.
Accession NO.	Swiss-Prot: P05106NCBI Protein: NP_000203.2

Related Information

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-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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.