

Basic Information

Product Name	Anti-Integrin Beta 3/ITGB3 Antibody	
Gene Name	ITGB3	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Integrin beta 3, identical to the related rat and mouse sequences.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	100 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

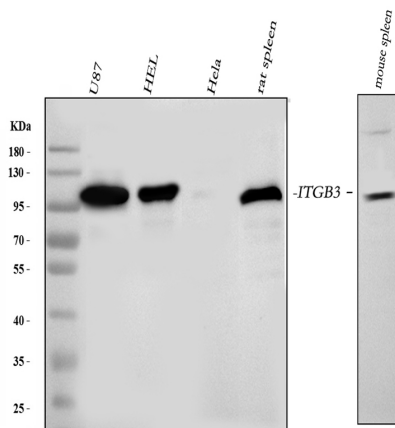
Background Information

ITGB3 (INTEGRIN, BETA-3), also called GP3A, GPIIb, CD61, is a protein that in humans is encoded by the ITGB3 gene. GP3A is a cluster of differentiation found on thrombocytes. The ITGB3 complex belongs to the integrin class of cell adhesion molecule receptors that share a common heterodimeric structure with alpha and beta subunits. The GP3A gene is mapped to 17q21.32. And the GP3A gene has 14 exons. The 3-prime exon is larger than 1,700 nucleotides and contains the 3-prime untranslated region. The ITGB3 complex mediates platelet aggregation by acting as a receptor for fibrinogen. Although the ITGB3 is expressed on the cell surface at normal levels and is capable of function following extracellular stimulation, it could not be activated via the "inside-out" signaling pathways.

Reference

Anti-Integrin Beta 3/ITGB3 Antibody被引用在4文献中。

Selected Validation Data



Western blot analysis of Integrin Beta 3/ITGB3 using anti-Integrin Beta 3/ITGB3 antibody (BA1670). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human U87 whole cell lysates,

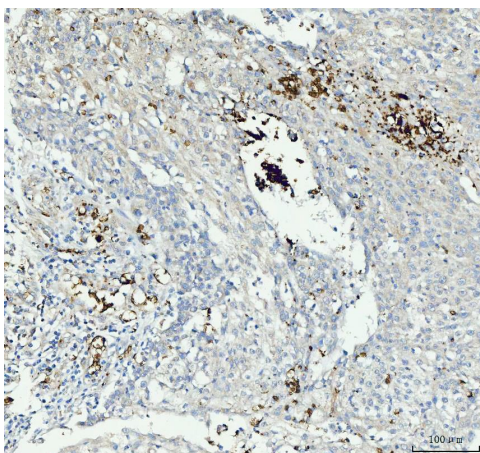
Lane 2: human HEL whole cell lysates,

Lane 3: human Hela whole cell lysates,

Lane 4: rat spleen tissue lysates,

Lane 5: mouse spleen tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Integrin Beta 3/ITGB3 antigen affinity purified polyclonal antibody (BA1670) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Integrin Beta 3/ITGB3 at approximately 100 kDa. The expected band size for Integrin Beta 3/ITGB3 is at 87 kDa.



IHC analysis of Integrin Beta 3/ITGB3 using anti-Integrin Beta 3/ITGB3 antibody (BA1670) .

Integrin Beta 3/ITGB3 was detected in a paraffin-embedded section of human laryngeal squamous cell carcinoma tissue. The tissue section was incubated with rabbit anti-Integrin Beta 3/ITGB3 Antibody (BA1670) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.