

## Basic Information

Product Name	Anti-CD41/Integrin Alpha 2B/ITGA2B Antibody		
Gene Name	ITGA2B		
Source	Rabbit		
Isotype	IgG		
Species Reactivity	human		
Tested Application	WB, IHC		
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.		
Immunogen	A synthesized peptide derived from human CD41		
concentration	500 ug/ml		
Purification	Affinity-chromatography		
Observed MW	130KD		
Dilution Ratios	Western blot (WB): 1:400-800 Immunohistochemistry in paraffin section (IHC): 1:20-100		

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Integrin alpha-IIb is a protein that in humans is encoded by the ITGA2B gene. It is mapped to 17q21.32. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 2b undergoes post-translational cleavage to yield disulfide-linked light and heavy chains that join with beta 3 to form a fibrinogen receptor expressed in platelets that plays a crucial role in coagulation. Mutations that interfere with this role result in thrombasthenia. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling.

## Selected Validation Data

Western blot analysis of CD41 expression in human fetal liver lysate.

