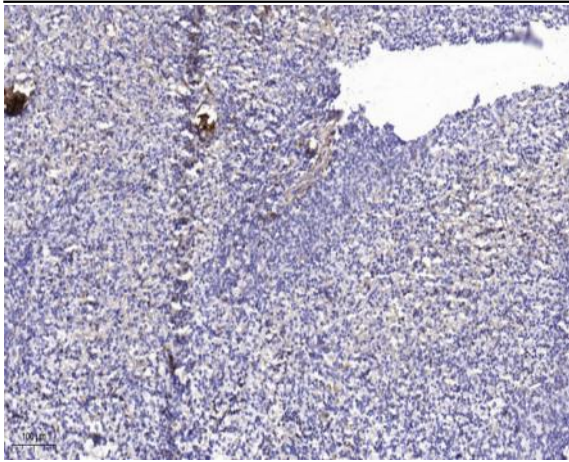


ITGA2B (light chain form 1, Cleaved-Gln891) rabbit pAb

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|------------------------------|--|
| Catalog No : | YC0175 |
| Reactivity : | Human;Rat;Mouse; |
| Applications : | WB;IHC |
| Target : | CD41 |
| Fields : | >>Rap1 signaling pathway;>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Platelet activation;>>Neutrophil extracellular trap formation;>>Hematopoietic cell lineage;>>Regulation of actin cytoskeleton;>>Human papillomavirus infection;>>Pathways in cancer;>>Small cell lung cancer;>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy;>>Fluid shear stress and atherosclerosis |
| Gene Name : | ITGA2B GP2B ITGAB |
| Protein Name : | ITGA2B (light chain form 1, Cleaved-Gln891) |
| Human Gene Id : | 3674 |
| Human Swiss Prot No : | P08514 |
| Mouse Gene Id : | 16399 |
| Mouse Swiss Prot No : | Q9QUM0 |
| Immunogen : | Synthesized peptide derived from human ITGA2B (light chain form 1, Cleaved-Gln891) |
| Specificity : | This antibody detects endogenous levels of Human ITGA2B (light chain form 1, Cleaved-Gln891, protein was cleaved amino acid sequence between 890-891). It doesn't recognize light chain form 2 |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |

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| Dilution : | WB 1:500-2000;IHC 1:50-300 |
| Purification : | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 16 110kD |
| Background : | This gene encodes a member of the integrin alpha chain family of proteins. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate through disulfide linkages to form a subunit of the alpha-IIb/beta-3 integrin cell adhesion receptor. This receptor plays a crucial role in the blood coagulation system, by mediating platelet aggregation. Mutations in this gene are associated with platelet-type bleeding disorders, which are characterized by a failure of platelet aggregation, including Glanzmann thrombasthenia. [provided by RefSeq, Jan 2016], |
| Function : | disease:Defects in ITGA2B are a cause of Glanzmann thrombasthenia (GT) [MIM:273800]; also known as thrombasthenia of Glanzmann and Naegeli. This autosomal recessive disorder is the most common inherited disease of platelets. GT is characterized by mucocutaneous bleeding of mild-to-moderate severity and the inability of this integrin to recognize macromolecular or synthetic peptide ligands. GT has been classified clinically into types I and II. In type I, platelets show absence of the glycoprotein IIb/beta-3 complexes at their surface and lack fibrinogen and clot retraction capability. In type II, the platelets express the glycoprotein IIb/beta-3 complex at reduced levels (5-20% controls), have detectable amounts of fibrinogen, and have low or moderate clot retraction capability. The platelets of GT 'variants' have normal or near normal (60-100%) expression of dysfunctional receptors.,fun |
| Subcellular Location : | Membrane; Single-pass type I membrane protein. |
| Expression : | Isoform 1 and isoform 2 are expressed in platelets and megakaryocytes, but not in reticulocytes. Not detected in Jurkat, nor in U937 cell lines (PubMed:2351656). Isoform 3 is expressed in prostate adenocarcinoma, as well as in several erythroleukemia, prostate adenocarcinoma and melanoma cell lines, including PC-3, DU-145, HEL, WM983A, WM983B and WM35. Not detected in platelets, nor in normal prostate (at protein level) (PubMed:9809974). |

Products Images



Immunohistochemical analysis of paraffin-embedded human spleen. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).