

Integrin beta 3 Antibody / ITGB3 / CD61 (R30709)

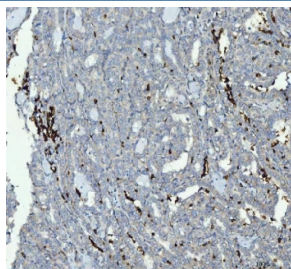
Catalog No.	Formulation	Size
R30709	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug



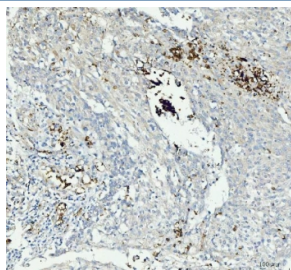
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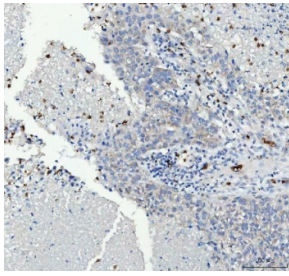
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P05106
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Integrin beta 3 antibody is available for research use only.



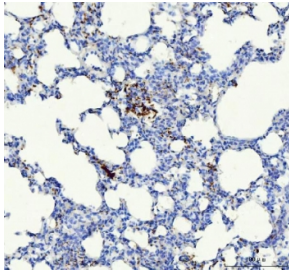
IHC staining of FFPE human thyroid cancer tissue with Integrin beta 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



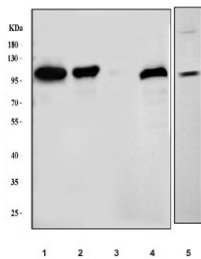
IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with Integrin beta 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with Integrin beta 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat lung tissue with Integrin beta 3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human U-87 MG, 2) human HEL, 3) human HeLa, 4) rat spleen and 5) mouse spleen tissue lysate with Integrin beta 3 antibody. Expected molecular weight: 87-110 kDa depending on glycosylation level.

Description

ITGB3 (Integrin beta 3), also called GP3A, GPIIIa, CD61, is a protein that in humans is encoded by the ITGB3 gene. It 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 ITGB3 complex mediates platelet aggregation by acting as a receptor for fibrinogen. Although the protein 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Integrin beta 3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Integrin beta 3 (EFAKFEEERARAKWDTANN) was used as the immunogen for this Integrin beta 3 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the Integrin beta 3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

