

Product Datasheet

Integrin beta 3 Antibody / ITGB3 / CD61 (orb2640566)

Description	Reacts with human Integrin beta 3, also called CD61. It associates with the alphaV-chain (CD51) to form vitronectin receptor, or with the alpha-IIb-chain (CD41) to form the GpIIb/GpIIIa complex (CD41/CD61). The CD41/CD61 complex appears early in megakaryocyte maturation. The activated CD41/CD61 complex is a receptor for von Willebrand factor, soluble fibrinogen, fibronectin, vitronectin and thrombospondin. It plays a central role in platelet activation and aggregation. The CD51/CD61 is implicated in tumor metastasis and adenoviral infection. The antibody detects platelets in smears of blood and bone marrow, as well as megakaryocytes in frozen sections and cell smears. The antibody is useful for classification of megakaryoblastic leukemia.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	Human recombinant protein was used as the immunogen for the recombinant Integrin beta 3 antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Titration of the recombinant Integrin beta 3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

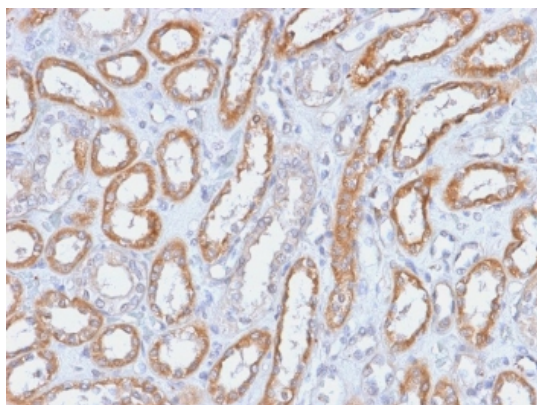
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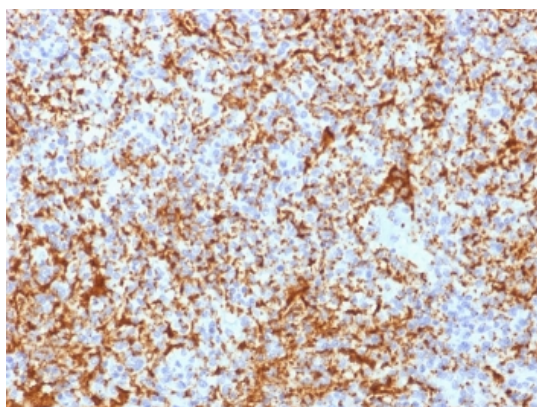
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Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Rabbit IgG, kappa
Clonality	Recombinant
Clone Number	ITGB3/2166R
Antibody Type	Primary Antibody
Purity	Protein A affinity
Uniprot ID	P05106
Hazard Information	This recombinant Integrin beta 3 antibody is available for research use only.
Dilution Range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human renal cell carcinoma with Integrin beta 3 antibody (clone ITGB3/2166R). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



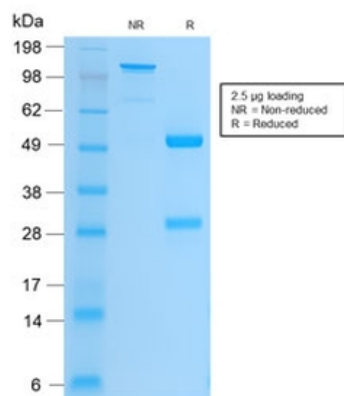
IHC testing of FFPE human spleen with Integrin beta 3 antibody (clone ITGB3/2166R). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.

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SDS-PAGE analysis of purified, BSA-free recombinant Integrin beta 3 antibody (clone ITGB3/2166R) as confirmation of integrity and purity.

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