



Integrin β 4 rabbit pAb

Cat No.:ES2632

For research use only

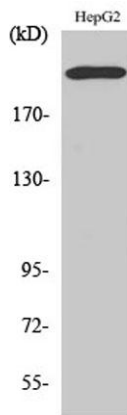
Overview

Product Name	Integrin β 4 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Integrin beta4. AA range:1481-1530
Specificity	Integrin β 4 Polyclonal Antibody detects endogenous levels of Integrin β 4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Integrin beta-4
Gene Name	ITGB4
Cellular localization	Cell membrane; Single-pass type I membrane protein. Cell membrane; Lipid-anchor. Cell junction, hemidesmosome. Colocalizes with DST at the leading edge of migrating keratinocytes.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	202kD
Human Gene ID	3691
Human Swiss-Prot Number	P16144
Alternative Names	ITGB4; Integrin beta-4; GP150; CD antigen CD104
Background	Integrins are heterodimers comprised of alpha and beta subunits, that are noncovalently associated transmembrane glycoprotein receptors. Different



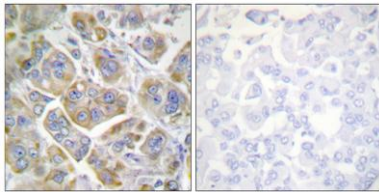


combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta 4 subunit, a receptor for the laminins. This subunit tends to associate with alpha 6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Mutations in this gene are associated with epidermolysis bullosa with pyloric atresia. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008],



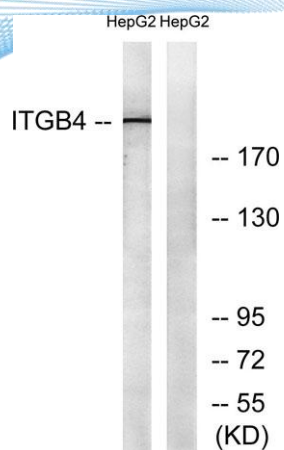
Western Blot analysis of various cells using Integrin β 4 Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Integrin beta4 Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from HepG2 cells, treated with PMA 125ng/ml 30', using Integrin beta4 Antibody. The lane on the right is blocked with the synthesized peptide.



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