

Integrin beta 4 Antibody
Rabbit mAb
Catalog # AP91207**Specification****Integrin beta 4 Antibody - Product Information**

Application	WB, IHC
Primary Accession	P16144
Clonality	Monoclonal
Other Names	
CD104; gp150; Integrin beta 4 subunit; ITG B4; ITGB 4; Itgb4;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	202167 Da

Integrin beta 4 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Integrin beta 4
Description	Integrin alpha-6/beta-4 is a receptor for laminin. It plays a critical structural role in the hemidesmosome of epithelial cells.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Integrin beta 4 Antibody - Protein Information**Name** ITGB4**Function**

Integrin alpha-6/beta-4 is a receptor for laminin. Plays a critical structural role in the hemidesmosome of epithelial cells. Is required for the regulation of keratinocyte polarity and motility. ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling (PubMed:<[a href="http://www.uniprot.org/citations/20682778" target="_blank">20682778](http://www.uniprot.org/citations/20682778)). ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed:<[a href="http://www.uniprot.org/citations/22351760" target="_blank">22351760](http://www.uniprot.org/citations/22351760)). ITGA6:ITGB4 binds to IGF2 and this binding is essential for IGF2 signaling (PubMed:<[a href="http://www.uniprot.org/citations/28873464" target="_blank">28873464](http://www.uniprot.org/citations/28873464)).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell membrane; Lipid-anchor. Cell junction, hemidesmosome Note=Colocalizes with DST at the leading edge of migrating keratinocytes

Tissue Location

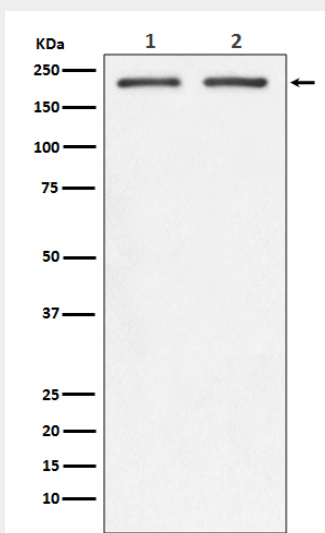
Integrin alpha-6/beta-4 is predominantly expressed by epithelia. Isoform beta-4D is also expressed in colon and placenta Isoform beta-4E is also expressed in epidermis, lung, duodenum, heart, spleen and stomach

Integrin beta 4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Integrin beta 4 Antibody - Images



Western blot analysis of Integrin beta 4 expression in (1) SW480 cell lysate; (2) Mouse spleen lysate.