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# Integrin beta 4 (14U18) Rabbit Monoclonal Antibody

Integrin beta 4 (14U18) Rabbit Monoclonal Antibody
Catalog # AP93787

## Product Information

| | |
|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | A2A863 |
| **Reactivity** | Human, Mouse |
| **Clonality** | Monoclonal |
| **Calculated MW** | 201650 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 192897 |
| **Other Names** | Integrin beta-4, CD104, Itgb4 |
| **Dilution** | WB~~1:1000 IHC~~1:100~500 |
| **Storage Conditions** | -20℃ |

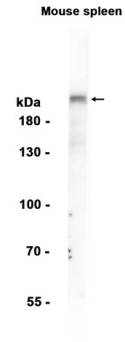
## Protein Information

| | |
|---|---|
| **Name** | Itgb4 |
| **Function** | Integrin alpha-6/beta-4 is a receptor for laminin. It 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. ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling. ITGA6:ITGB4 binds to IGF2 and this binding is essential for IGF2 signaling. |
| **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. |

## 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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

## Images




Western blot analysis of extracts from Mouse spleen tissue using AP93787 at 1:1000.