

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B)
Rat Monoclonal Antibody
Catalog # ALS12961**Specification**

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B) - Product Information

Application	IHC
Primary Accession	P16144
Reactivity	Human
Host	Rat
Clonality	Monoclonal
Calculated MW	202kDa KDa

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B) - Additional Information**Gene ID** 3691**Other Names**

Integrin beta-4, GP150, CD104, ITGB4

Reconstitution & Storage

Store at 4°C, avoid repeated freeze thaw cycles.

Precautions

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B) is for research use only and not for use in diagnostic or therapeutic procedures.

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B) - 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:20682778). ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed:22351760). ITGA6:ITGB4 binds to IGF2 and this binding is essential for IGF2 signaling (PubMed: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

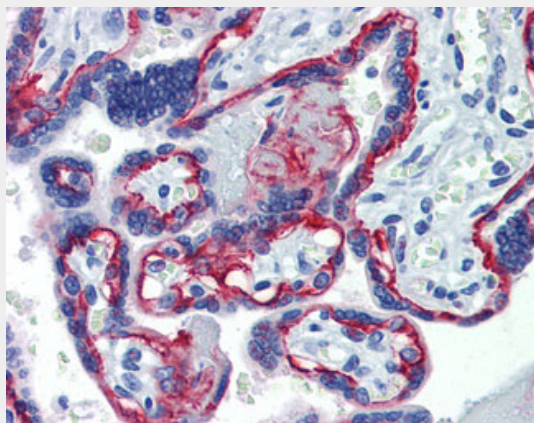
in colon and placenta Isoform beta-4E is also expressed in epidermis, lung, duodenum, heart, spleen and stomach

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B) - Protocols

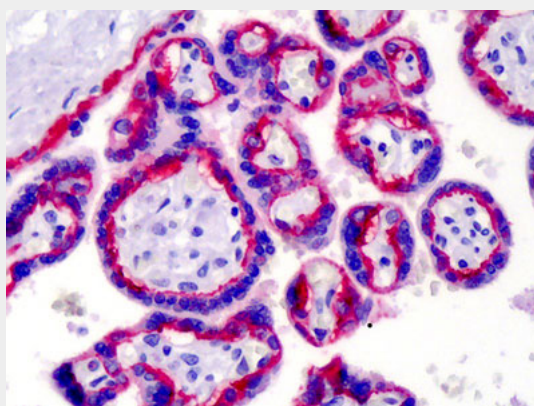
Provided below are standard protocols that you may find useful for product applications.

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

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B) - Images



Anti-Integrin Beta 4 antibody IHC of human placenta.



Anti-Integrin Beta 4 antibody IHC of human placenta.

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B) - Background

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.

ITGB4 / Integrin Beta 4 Antibody (clone 439-9B) - References

Suzuki S.,et al.EMBO J. 9:757-763(1990).
Hogervorst F.,et al.EMBO J. 9:765-770(1990).
Tamura R.N.,et al.J. Cell Biol. 111:1593-1604(1990).
Pulkkinen L.,et al.Lab. Invest. 76:823-833(1997).
Iacovacci S.,et al.Mamm. Genome 8:448-450(1997).