

**Integrin alpha 6 Rabbit mAb**  
Catalog # AP77470**Specification****Integrin alpha 6 Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P23229</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	126606

**Integrin alpha 6 Rabbit mAb - Additional Information**

Gene ID 3655

**Other Names**

ITGA6

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

**Format**

Liquid

**Integrin alpha 6 Rabbit mAb - Protein Information**

Name ITGA6

**Function**

Integrin alpha-6/beta-1 (ITGA6:ITGB1) is a receptor for laminin on platelets (By similarity). Integrin alpha-6/beta-1 (ITGA6:ITGB1) is present in oocytes and is involved in sperm-egg fusion (By similarity). Integrin alpha-6/beta-4 (ITGA6:ITGB4) is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome (By similarity). 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

**Tissue Location**

Integrin alpha-6/beta-4 is predominantly expressed by epithelia. Isoforms containing segment X1 are ubiquitously expressed. Isoforms containing segment X1X2 are expressed in heart, kidney,

placenta, colon, duodenum, myoblasts and myotubes, and in a limited number of cell lines; they are always coexpressed with the ubiquitous isoform containing segment X1. In some tissues (e.g Salivary gland), isoforms containing cytoplasmic segment A and isoforms containing segment B are detected while in others, only isoforms containing one cytoplasmic segment are found (segment A in epidermis and segment B in kidney). Processed integrin alpha-6: Expressed at low levels in normal prostate tissue with elevated levels in prostate cancer tissue (at protein level) (PubMed:15023541)

### Integrin alpha 6 Rabbit mAb - 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 alpha 6 Rabbit mAb - Images



