

**Integrin alpha 6 Antibody**  
**Rabbit mAb**  
**Catalog # AP90512****Specification****Integrin alpha 6 Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P23229</a>
Reactivity	<b>Rat</b>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
ITGA6; CD49 antigen-like family member F; VLA-6; CD49f;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>126606 Da</b>

**Integrin alpha 6 Antibody - Additional Information**

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human Integrin alpha 6</b>
Description	<b>Integrin alpha-6/beta-1 is a receptor for laminin on platelets. Integrin alpha-6/beta-4 is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome.</b>
Storage Condition and Buffer	<b>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.</b>

**Integrin alpha 6 Antibody - 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</a>). 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</a>). 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</a>).

**Cellular Location**

Cell membrane; Single-pass type I membrane protein. Cell membrane; Lipid-anchor

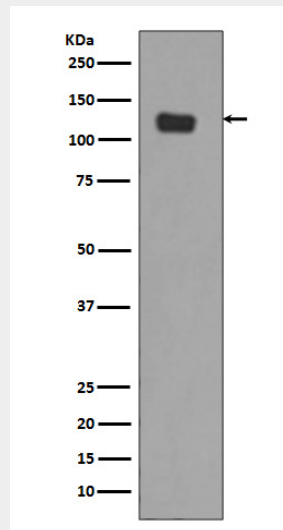
**Tissue Location**

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 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 alpha 6 Antibody - Images**

Western blot analysis of Integrin alpha 6 expression in SW480 cell lysate.