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ITGA11 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10393a

Specification

ITGA11 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	Q9UKX5
Other Accession	P61622, NP_001004439.1
Reactivity	**Human, Hamster, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**236-264**

ITGA11 Antibody (N-term) - Additional Information

Gene ID 22801

Other Names
Integrin alpha-11, ITGA11

Target/Specificity
This ITGA11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-264 amino acids from the N-terminal region of human ITGA11.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ITGA11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ITGA11 Antibody (N-term) - Protein Information

Name ITGA11

Function Integrin alpha-11/beta-1 is a receptor for collagen.

Cellular Location
Membrane; Single-pass type I membrane protein.

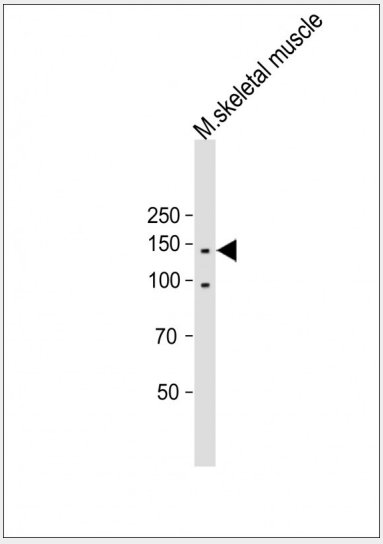
Tissue Location
According to PubMed:10464311, highest levels of expression in uterus and heart, intermediate levels in skeletal muscle and intermediate to low levels in pancreas, kidney and placenta According to PubMed:10486209, also found in brain, colon, lung, small intestine, stomach, testis, salivary glands, thyroid glands and prostate. Very low levels in peripheral blood lymphocytes, fetal brain and fetal liver.

ITGA11 Antibody (N-term) - Protocols

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

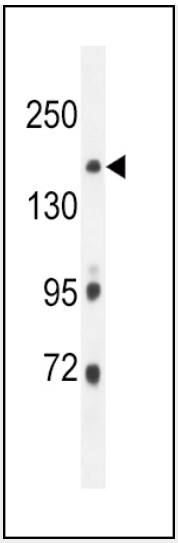
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ITGA11 Antibody (N-term) - Images

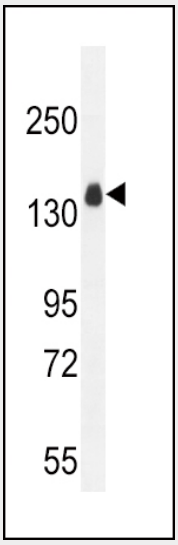


All lanes : Anti-ITGA11 Antibody (N-term) at 1:500 dilution Lane 1: Mouse skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 133kDa Blocking/Dilution buffer: 5% NFDM/TBST.

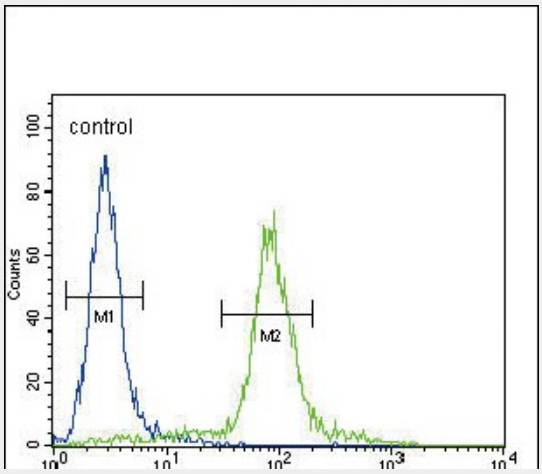
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ITGA11 Antibody (N-term) (Cat. #AP10393a) western blot analysis in CHO cell line lysates (35ug/lane).This demonstrates the ITGA11 antibody detected the ITGA11 protein (arrow).



ITGA11 Antibody (N-term) (Cat. #AP10393a) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the ITGA11 antibody detected the ITGA11 protein (arrow).



ITGA11 Antibody (N-term) (Cat. #AP10393a) flow cytometric analysis of Neuro-2a cells (right

histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ITGA11 Antibody (N-term) - Background

This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein contains an I domain, is expressed in muscle tissue, dimerizes with beta 1 integrin in vitro, and appears to bind collagen in this form. Therefore, the protein may be involved in attaching muscle tissue to the extracellular matrix. Alternative transcriptional splice variants have been found for this gene, but their biological validity is not determined.

ITGA11 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Lu, N., et al. Matrix Biol. 29(3):166-176(2010) Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009) Young, R.P., et al. Postgrad Med J 85(1008):515-524(2009) Barczyk, M.M., et al. J. Dent. Res. 88(7):621-626(2009)