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ITGA11 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10393a

Product Information

Application	WB, FC, E
Primary Accession	Q9UKX5
Other Accession	P61622, NP_001004439.1
Reactivity	Human, Hamster, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	133470
Antigen Region	236-264

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 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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.

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.

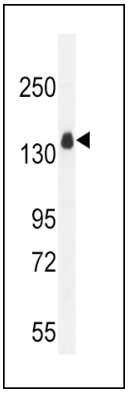
Background

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.

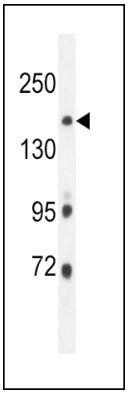
References

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)

Images

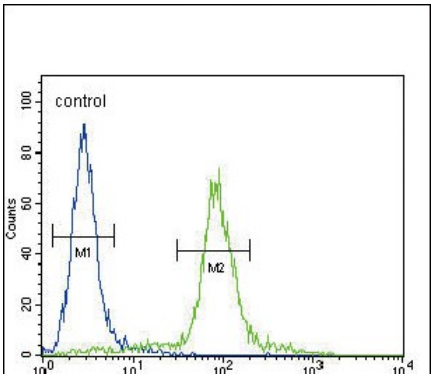


ITGA11 Antibody (N-term) (Cat. #AP10393a) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the ITGA11 antibody detected the ITGA11 protein (arrow).



ITGA11 Antibody (N-term) (Cat. #AP10393a) 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) 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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.