



Integrin α 6 Polyclonal Antibody

Catalog No	BYab-17099
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ITGA6
Protein Name	Integrin alpha-6
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human ITGA6. AA range:901-950
Specificity	Integrin α 6 Polyclonal Antibody detects endogenous levels of Integrin α 6 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	\geq 90%
Storage Stability	-20°C/1 year
Synonyms	ITGA6; Integrin alpha-6; CD49 antigen-like family member F; VLA-6; CD49f
Observed Band	125kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell membrane ; Lipid-anchor .
Tissue Specificity	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).
Function	alternative products:Additional isoforms seem to exist. There is a combination of at least four alternatively spliced domains, two extracellular (X1 and X2) and two

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cytoplasmic (A and B). So far detected are isoform Alpha-6X1A, isoform Alpha-6X1B and isoform Alpha-6X1X2A (minor). Experimental confirmation may be lacking for some isoforms, disease: Defects in ITGA6 are a cause of epidermolysis bullosa with pyloric atresia (EB-PA) [MIM:226730]; also known as aplasia cutis congenita with gastrointestinal atresia. EB-PA is an autosomal recessive disease characterized by mucocutaneous fragility and gastrointestinal atresia, which most commonly affects the pylorus. ,function: 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. ,PTM: Isoforms containing segme

Background

integrin subunit alpha 6(ITGA6) Homo sapiens The gene encodes a member of the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 6 subunit. This subunit may associate with a beta 1 or beta 4 subunit to form an integrin that interacts with extracellular matrix proteins including members of the laminin family. The alpha 6 beta 4 integrin may promote tumorigenesis, while the alpha 6 beta 1 integrin may negatively regulate erbB2/HER2 signaling. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015],

matters needing attention

Avoid repeated freezing and thawing!

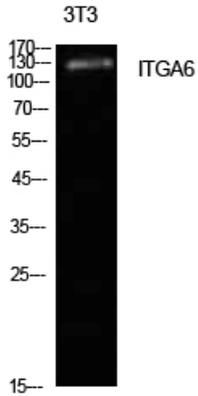
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

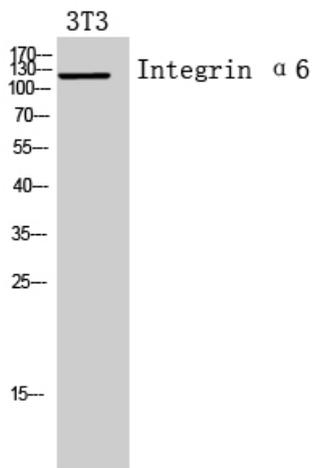
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Products Images



Western Blot analysis of NIH-3T3 cells using Integrin α 6 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of 3T3 cells using Integrin α 6 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000