



Integrin α 4 Polyclonal Antibody

Catalog No	BYab-17084
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ITGA4
Protein Name	Integrin alpha-4
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human ITGA4. AA range:571-620
Specificity	Integrin α 4 Polyclonal Antibody detects endogenous levels of Integrin α 4 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	WB: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	ITGA4; CD49D; Integrin alpha-4; CD49 antigen-like family member D; Integrin alpha-IV; VLA-4 subunit alpha; CD49d
Observed Band	120kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Lymph,Peripheral blood,Prostate,Spleen,Testis,
Function	domain:The SG1 motif is involved in binding to chondroitin sulfate glycosaminoglycan and cell adhesion.,function:Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.,PTM:Phosphorylation on Ser-1027 inhibits PXN

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binding.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 7 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit

Background

integrin subunit alpha 4(ITGA4) 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 4 subunit. This subunit associates with a beta 1 or beta 7 subunit to form an integrin that may play a role in cell motility and migration. This integrin is a therapeutic target for the treatment of multiple sclerosis, Crohn's disease and inflammatory bowel disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015],

matters needing attention

Avoid repeated freezing and thawing!

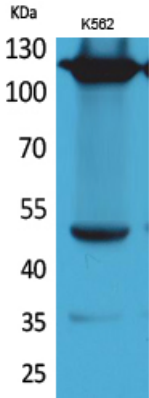
Usage suggestions

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

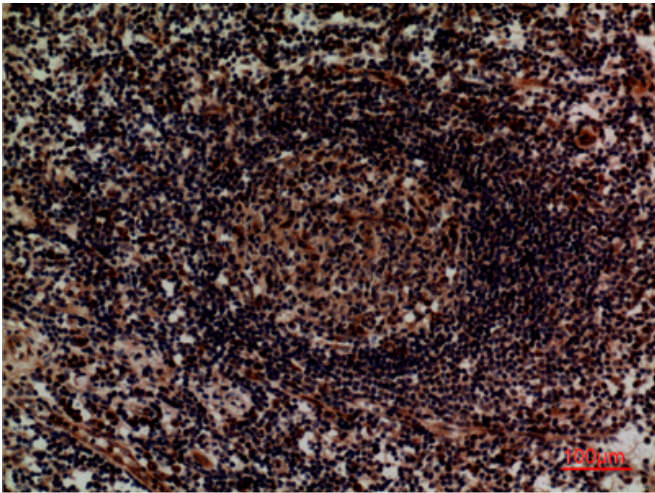
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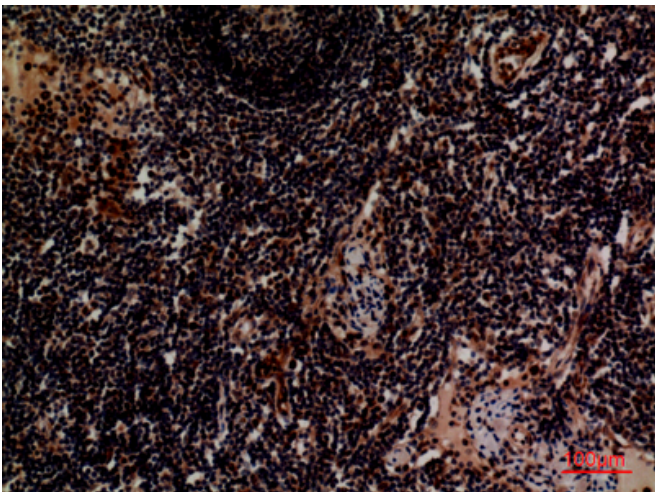
Products Images



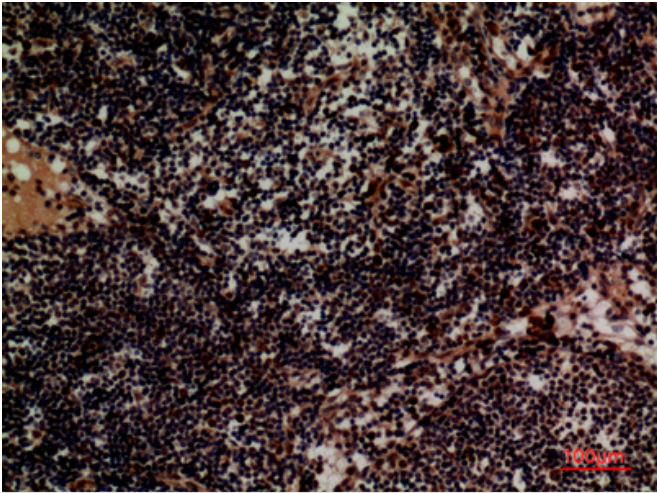
Western Blot analysis of K562 cells using Integrin $\alpha 4$ Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



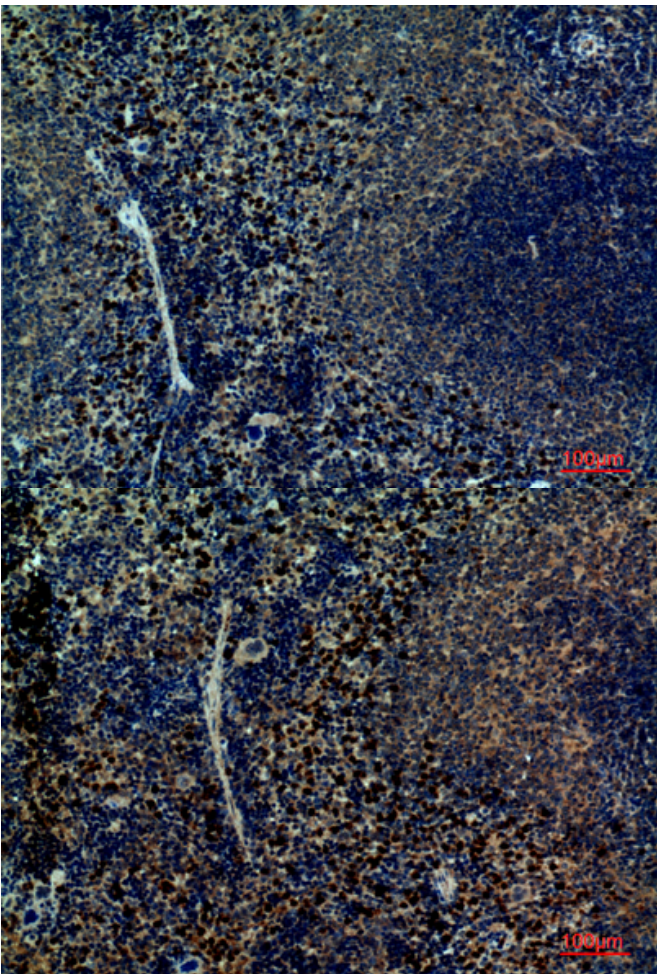
Immunohistochemical analysis of paraffin-embedded human-lymph, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lymph, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lymph, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-spleen, antibody was diluted at 1:100