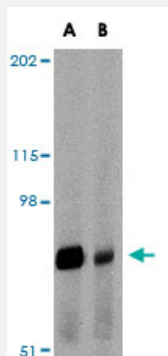


ITGA4 polyclonal antibody

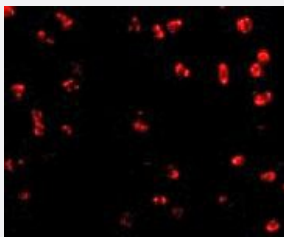
Catalog # PAB16606 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of ITGA4 in rat spleen tissue lysate with ITGA4 polyclonal antibody (Cat # PAB16606) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence

Immunofluorescence of ITGA4 in Jurkat cells with ITGA4 polyclonal antibody (Cat # PAB16606) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ITGA4.
Immunogen	A synthetic peptide corresponding to internal region 15 amino acids of human ITGA4.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of ITGA4 in rat spleen tissue lysate with ITGA4 polyclonal antibody (Cat # PAB16606) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

- Immunofluorescence

Immunofluorescence of ITGA4 in Jurkat cells with ITGA4 polyclonal antibody (Cat # PAB16606) at 2 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ITGA4

Entrez GeneID	3676
Protein Accession#	P13612
Gene Name	ITGA4
Gene Alias	CD49D, IA4, MGC90518
Gene Description	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
Omim ID	192975
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the integrin alpha chain family of proteins. Integrins are hetero dimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an alpha 4 chain. Unlike other integrin alpha chains, alpha 4 neither contains an I-domain, nor undergoes disulfide-linked cleavage. Alpha 4 chain associates with either beta 1 chain or beta 7 chain. [provided by RefSeq]
Other Designations	269C wild type antigen CD49D, alpha-4 subunit of VLA-4 receptor integrin alpha 4 integrin alpha-4 subunit very late activation protein 4 receptor, alpha 4 subunit

Publication Reference

- [Transmembrane and cytoplasmic domains in integrin activation and protein-protein interactions \(review\).](#)
Wegener KL, Campbell ID.
Molecular Membrane Biology 2008 Aug; 25(5):376.
- [Identification of putative ligand-binding sites of the integrin alpha 4 beta 1 \(VLA-4, CD49d/CD29\).](#)
Kamata T, Puzon W, Takada Y.
The Biochemical Journal 1995 Feb; 305 (Pt 3)(Pt 3):945.

Application: Flow Cyt, Func, IP, Hamster, CHO-K1 cells
- [Alpha 4 beta 7 integrin mediates lymphocyte binding to the mucosal vascular addressin MAdCAM-1.](#)
Berlin C, Berg EL, Briskin MJ, Andrew DP, Kilshaw PJ, Holzmann B, Weissman IL, Hamann A, Butcher EC.
Cell 1993 Jul; 74(1):185.

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Hematopoietic cell lineage](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Multiple Sclerosis](#)
- [Neurogenic Inflammation](#)
- [Tobacco Use Disorder](#)