

anti-Human, Rat Integrin alpha 4 Polyclonal Antibody | anti-ITGA4 antibody

Anti-Integrin alpha 4 Antibody

CATALOG # AAA46456	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Integrin alpha 4; Polyclonal Antibody; Anti-Integrin alpha 4 Antibody; Integrin alpha-4; 269C wild type; Alpha 4 subunit of VLA 4 receptor; Antigen CD49D; alpha 4 subunit of VLA 4 receptor; CD 49d; CD49 antigen like family member D; CD49 antigen-like family member D; CD49d; CD49d antigen; CDw49d; IA4; Integrin alpha 4 subunit; Integrin alpha IV; Integrin alpha-IV; Integrin; alpha 4 (antigen CD49D; alpha 4 subunit of VLA 4 receptor); ITA4_HUMAN; ITGA 4; ITGA4; LPAM23; MGC90518; OTTHUMP00000205320; Very Late Activation Antigen 4; Very Late Activation Protein 4 Receptor Alpha 4 Subunit; Very late activation protein 4 receptor; alpha 4 subunit; VLA 4; VLA 4 subunit alpha; VLA-4 subunit alpha; VLA4; integrin; alpha 4 subunit of VLA-4 receptor; anti-ITGA4 antibody

PRODUCT SPECIFICATIONS

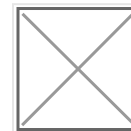
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1032
Applicable Applications for anti-ITGA4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Integrin alpha 4 (999-1028aa MWKAGFFKRQYKSILQEENRRDSWSYINS K), different from the related mouse sequence by one amino acid.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Integrin alpha 4 Picoband antibody, AAA46456, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)

Anti- Integrin alpha 4 Picoband antibody, AAA46456, Western blottingAll lanes: Anti Integrin alpha 4 (AAA46456) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Kidney Tissue Lysate at 50ugLane 3: JURKAT Whole Cell Lysate at 40ugLane 4: 22RV1 Whole Cell Lysate at 40ugLane 5: HEPG2 Whole Cell Lysate at 40ugLane 6: SMMC Whole Cell Lysate at 40ugPredicted bind size: 115KDObserved bind size: 220KD

ADDITIONAL INFORMATION

Related Product Information for anti-ITGA4 antibody	Description: Rabbit IgG polyclonal antibody for Integrin alpha-4(ITGA4) detection. Tested with WB, IHC-P in Human;Rat. Background: ITGA4/Integrin alpha4 is an integrin alpha subunit. It makes up half of the alpha4beta1 lymphocyte homing receptor. The product of this gene belongs to the integrin alpha chain family of proteins. Integrins are heterodimeric 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. ITGA4 is also mapped to 2q31-q32 by fluorescence in situ hybridization.
References	1. Jaspers, M., Zhang, Z., Marynen, P., Vekemans, S., Aly, M. S., Cuppens, H., Hillicker, C., Cassiman, J.-J.Localization of the genes encoding the alpha-2 and alpha-4 subunits of the human VLA-receptors to chromosome 5q23-31 and 2q31-32 respectively. (Abstract)Cytogenet. Cell Genet. 58: 1870 only, 1991. 2. Miller, D. H., Khan, O. A., Sheremata, W. A., Blumhardt, L. D., Rice, G. P. A., Libonati, M. A., Willmer-Hulme, A. J., Dalton, C. M., Miszkiel, K. A., O'Connor, P. W.A controlled trial of natalizumab for relapsing multiple sclerosis.New Eng. J. Med. 348: 15-23, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67191027
NCBI GeneID	3676
NCBI Accession #	NP_000876.3
NCBI GenBank Nucleotide #	NM_000885.5
UniProt Accession #	P13612; Q7Z4L6; D3DPG4; AAB25486
Molecular Weight	21,536 Da
NCBI Official Full Name	integrin alpha-4 isoform 1 preproprotein
NCBI Official Synonym Full Names	integrin subunit alpha 4
NCBI Official Symbol	ITGA4
NCBI Official Synonym Symbols	IA4; CD49D
NCBI Protein Information	integrin alpha-4
UniProt Protein Name	Integrin alpha-4
UniProt Gene Name	ITGA4
UniProt Synonym Gene Names	CD49D
UniProt Entry Name	ITA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.