

Datasheet for ABIN7601418
anti-ITGA4 antibody (AA 35-269)



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Overview

Quantity:	100 µg
Target:	ITGA4
Binding Specificity:	AA 35-269
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Integrin Alpha 4/ITGA4 Antibody Picoband®
Immunogen:	E.coli-derived human Integrin Alpha 4/ITGA4 recombinant protein (Position: N35-V269). Human ITGA4 shares 85.5% amino acid (aa) sequence identity with mouse ITGA4.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-Integrin Alpha 4/ITGA4 Antibody Picoband® (ABIN7601418). Tested in WB, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ITGA4
Alternative Name:	ITGA4 (ITGA4 Products)
Background:	Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody Tissue Specificity: Expressed in all tissues. Background: ITGA4/Integrin alpha4 is an integrin alpha subunit. It makes up half of the $\alpha 4 \beta 1$ 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.
Molecular Weight:	140-150kDa
Gene ID:	3456
UniProt:	P13612
Pathways:	Integrin Complex

Application Details

Application Notes:	Western blot, 0.25-0.5 μg/mL, Human ELISA, 0.1-0.5 μg/mL, - 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.,
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Application Details

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.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.