

Datasheet for ABIN7601967
anti-ITGA9 antibody (AA 526-1035)



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Overview

Quantity:	100 µg
Target:	ITGA9
Binding Specificity:	AA 526-1035
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ITGA9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Integrin alpha-9/ITGA9 Antibody Picoband®
Immunogen:	E.coli-derived human Integrin alpha-9/ITGA9 recombinant protein (Position: Q526-Q1035). Human ITGA9 shares 89.6% amino acid (aa) sequence identity with mouse ITGA9.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-Integrin alpha-9/ITGA9 Antibody Picoband® (ABIN7601967). Tested in WB, Flow Cytometry, 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:	ITGA9
Alternative Name:	ITGA9 (ITGA9 Products)
Background:	<p>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</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: Integrin alpha-9 is a protein that in humans is encoded by the ITGA9 gene. This gene encodes an alpha integrin. Integrins are heterodimeric integral membrane glycoproteins composed of an alpha chain and a beta chain that mediate cell-cell and cell-matrix adhesion. The protein encoded by this gene, when bound to the beta 1 chain, forms an integrin that is a receptor for VCAM1, cytotactin and osteopontin. Expression of this gene has been found to be upregulated in small cell lung cancers.</p>
Molecular Weight:	120 kDa
Gene ID:	3680
UniProt:	Q13797

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Daigo, Y., Isomura, M., Nishiwaki, T., Tamari, M., Ishikawa, S., Kai, M., Murata, Y., Takeuchi, K., Yamane, Y., Hayashi, R., Minami, M., Fujino, M. A., Hojo, Y., Uchiyama, I., Takagi, T., Nakamura, Y. Characterization of a 1200-kb genomic segment of chromosome 3p22-p21.3. DNA Res. 6: 37-44, 1999. 2. Erle, D. J., Sheppard, D., Breuss, J., Ruegg, C., Pytela, R. Novel integrin alpha and beta subunit cDNAs identified in airway epithelial cells and lung leukocytes using the</p>
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Application Details

polymerase chain reaction. Am. J. Resp. Cell Molec. Biol. 5: 170-177, 1991. 3. Hibi, K., Yamakawa, K., Ueda, R., Horio, Y., Murata, Y., Tamari, M., Uchida, K., Takahashi, T., Nakamura, Y., Takahashi, T. Aberrant upregulation of a novel integrin alpha subunit gene at 3p21.3 in small cell lung cancer. Oncogene 9: 611-619, 1994.

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.