Datasheet for ABIN7602397

anti-CD51 antibody (AA 732-970)

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Overview

Quantity:	100 µg
Target:	CD51 (ITGAV)
Binding Specificity:	AA 732-970
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

Product Details

Purpose:	Anti-Integrin alpha V/ITGAV Antibody Picoband®
Immunogen:	E.coli-derived human Integrin alpha V/ITGAV recombinant protein (Position: H732-D970).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Integrin alpha V/ITGAV Antibody Picoband® (ABIN7602397). Tested in ELISA, Flow Cytometry, WB 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:	CD51 (ITGAV)
Alternative Name:	ITGAV (ITGAV Products)
Background:	Synonyms: Voltage-dependent calcium channel subunit alpha-2/delta-2, Voltage-gated calcium channel subunit alpha-2/delta-2, Voltage-dependent calcium channel subunit alpha-2-2, Voltage-dependent calcium channel subunit delta-2, CACNA2D2, KIAA0558 Tissue Specificity: Predominantly present in cerebellar cortex. Present in various lung tumor cell lines, while it is absent in normal lung (at protein level). Highly expressed in heart, lung, testis, pancreas and skeletal muscle. Also expressed in kidney, liver, placenta and brain. Background: Integrin alpha-V is a protein that in humans is encoded by the ITGAV gene. It is a member of the beta 3 integrin subfamily (cytoadhesins). The human locus for the av gene (VNRA) was previously mapped to the long arm of chromosome 2. Sims et al. (2000) localized the VNRA gene to 2q31. The gene contains 30 exons and spans over 93 kb of genomic DNA. It functions as a receptor for a group of proteins that includes vitronectin, fibrinogen, thrombospondin, and von Willebrand factor.
Molecular Weight:	130-140 kDa
Gene ID:	3685
UniProt:	P06756
Pathways:	Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2, Growth Factor Binding, Integrin Complex

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Sosnoski DM, Emanuel BS, Hawkins AL, van Tuinen P, Ledbetter DH, Nussbaum RL, Kaos FT, Schwartz E, Phillips D, Bennett JS, et al. (Aug 1988). "Chromosomal localization of the genes for the vitronectin and fibronectin receptors alpha subunits and for platelet glycoproteins IIb and IIIa". J Clin Invest 81 (6): 1993-8. 2. Fernandez-Ruiz, E., de Villena, F. P.-M., Rodriguez de Cordoba, S., Sanchez-Madrid, F.Regional localization of the human vitronectin receptor alpha-subunit gene (VNRA) to chromosome 2q31-q32.Cytogenet. Cell Genet.62: 26-28, 1993.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 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, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.