

Datasheet for ABIN2789883
anti-CD51 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	CD51 (ITGAV)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Goat, Guinea Pig, Horse, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human ITGAV
Sequence:	PVWVILAVL AGLLLLAVLV FVMYRMGFFK RVRPPQEEQE REQLQPHENG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against ITGAV. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	ITGAV (ITGAV Products)

Target Details

Background:	ITAGV encodes integrin alpha chain V. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The I-domain containing integrin alpha V undergoes post-translational cleavage to yield disulfide-linked heavy and light chains, that combine with multiple integrin beta chains to form different integrins. Among the known associating beta chains (beta chains 1,3,5,6, and 8, 'ITGB1', 'ITGB3', 'ITGB5', 'ITGB6', and 'ITGB8'), each can interact with extracellular matrix ligands, the alpha V beta 3 integrin, perhaps the most studied of these, is referred to as the Vitronectin receptor (VNR). In addition to adhesion, many integrins are known to facilitate signal transduction. Alternative splicing results in multiple transcript variants. Alias Symbols: CD51, DKFZp686A08142, MSK8, VNRA Protein Interaction Partner: UBC, EPHA2, THBS1, FN1, KRT3, MCAT, FBXO6, BCAR1, PXN, PHKA2, CSF1R, CBL, MMP2, ILK, PLP1, CALR, ANGPTL3, EDIL3, CYR61, PAK4, ITGB8, ADAM9, AUP1, CD47, PTK2, MMP14, P2RY2, L1CAM, AZGP1, TGFB1, THY1, F2R, PDGFRA, ITGB3, SPP1, ITGB5, ITGB6, ITGB1, NID1, ICA Protein Size: 1002
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Molecular Weight:	100 kDa
Gene ID:	3685
NCBI Accession:	NM_001144999 , NP_001138471
UniProt:	E7EWZ6
Pathways:	Cell-Cell Junction Organization , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Integrin Complex

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1002 AA
Restrictions:	For Research Use only

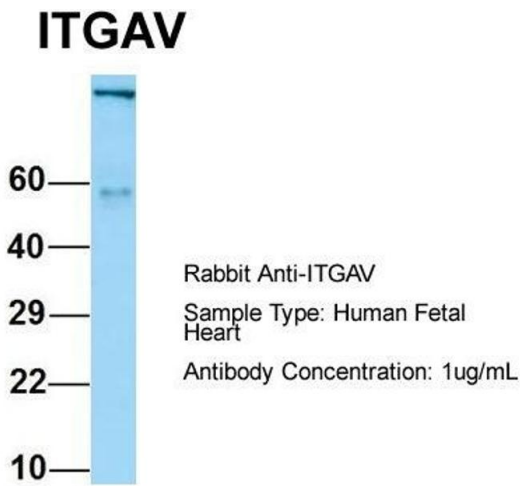
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

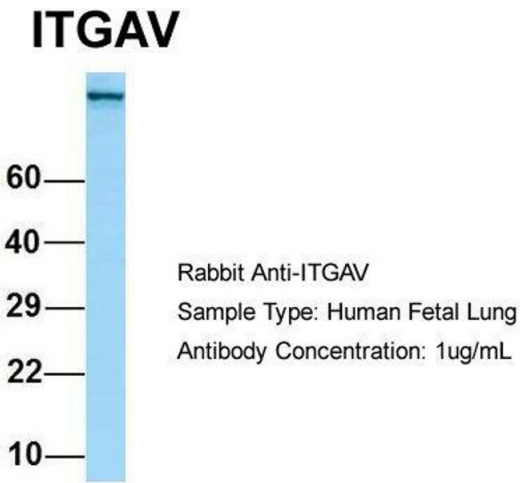
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit
Target Name: ITGAV
Sample Tissue: Human Fetal Heart
Antibody Dilution: 1.0 µg/mL



Western Blotting

Image 2. Host: Rabbit
Target Name: ITGAV
Sample Tissue: Human Fetal Lung
Antibody Dilution: 1.0 µg/mL