



Datasheet for ABIN3022888
anti-CD51 antibody (C-Term)



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5 Images

Overview

Quantity:	100 µL
Target:	CD51 (ITGAV)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 950 to the C-terminus of human Integrin alpha V (ITGAV/CD51) (NP_002201.1).
Sequence:	LKSSASFNVI EFPYKNLPIE DITNSTLVTT NVTWGIQPAP MPVPVWVIL AVLAGLLLLLA VLVFMVMYRMG FFKRVRPPQE EQEREQLQPH ENGEENSET
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	CD51 (ITGAV)
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Target Details

Alternative Name: [ITGAV \(ITGAV Products\)](#)

Background: The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha V subunit. This subunit associates with beta 1, beta 3, beta 5, beta 6 and beta 8 subunits. The heterodimer consisting of alpha V and beta 3 subunits is also known as the vitronectin receptor. This integrin may regulate angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.,CD51,MSK8,VNRA,VTNR,Integrin alpha V,ITGAV,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,PI3K-Akt Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Immunology & Inflammation,CD markers,ITGAV

Molecular Weight: 111 kDa/112 kDa/116 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: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

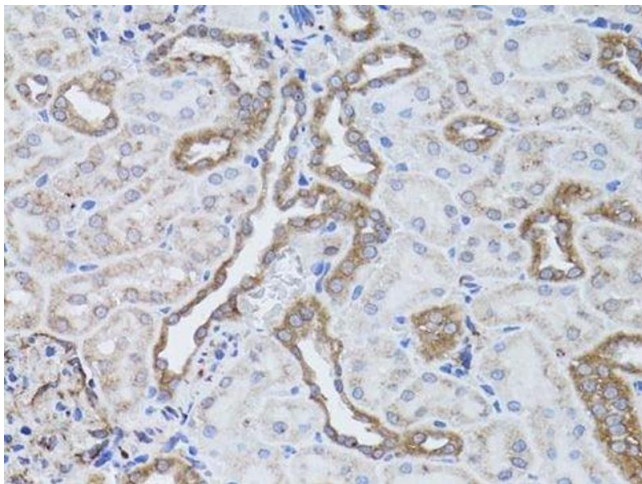
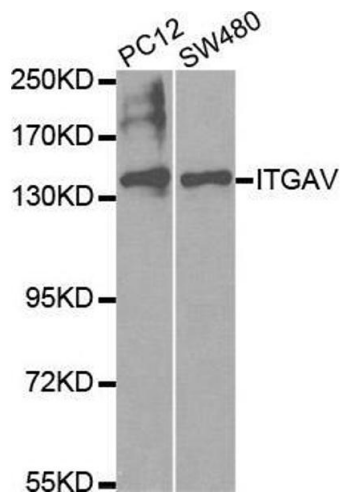
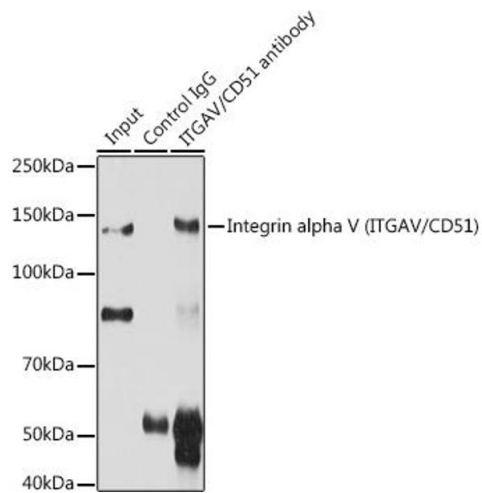
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 200 µg extracts of C6 cells using 3 µg Integrin alpha V (ITGAV/CD51) antibody (ABIN3022887, ABIN3022888, ABIN3022889 and ABIN6219281). Western blot was performed from the immunoprecipitate using Integrin alpha V (ITGAV/CD51) antibody (ABIN3022887, ABIN3022888, ABIN3022889 and ABIN6219281) at a dilution of 1:2000.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using ITGAV antibody.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded rat kidney using ITGAV antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022888.