



Rabbit Anti-Human ITGaV Polyclonal Antibody (CABT-L2073)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Integrin Alpha V (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against ITGaV. It has been selected for its ability to recognize ITGaV in immunohistochemical staining and western blotting.
Target	ITGaV
Immunogen	Recombinant fragment corresponding to human ITGAV (Pro560~Trp744)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes a protein that is a member of the integrin superfamily. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This protein undergoes post-translational cleavage to yield disulfide-linked heavy and light chains that combine with multiple integrin beta chains to form different integrins. This protein has been shown to heterodimerize with beta 1, beta 3, beta 5, beta 6, and beta 8; the heterodimer of alpha v and beta 3 is the Vitronectin receptor. This protein interacts with several extracellular matrix proteins to mediate cell adhesion and may play a role in cell migration. It is proposed that this protein may regulate angiogenesis and cancer progression. Alternative splicing results in multiple transcript variants that encode different protein isoforms. Note that the integrin alpha 5 and integrin alpha V chains are produced by distinct genes. [provided by RefSeq, Jan 2015]
Keywords	CD51;ITG-AV;MSK8;VNRA;Vitronectin Receptor,Alpha Polypeptide

GENE INFORMATION

Gene Name	ITGAV integrin, alpha V [Homo sapiens (human)]
Official Symbol	ITGAV
Synonyms	ITGAV; integrin, alpha V; CD51; MSK8; VNRA; VTNR; integrin alpha-V; integrin alphaVbeta3; vitronectin receptor subunit alpha; antigen identified by monoclonal antibody L230; integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51);
Entrez Gene ID	3685
Protein Refseq	NP_001138471
UniProt ID	P06756
Chromosome Location	2q31-q32
Pathway	Adaptive Immune System; Antigen processing-Cross presentation; Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Axon guidance; Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Class I MHC mediated antigen processing & presentation;
Function	extracellular matrix binding; extracellular matrix protein binding; fibronectin binding;

contributes_to insulin-like growth factor I binding; metal ion binding; contributes_to opsonin binding; protease binding; protein binding; contributes_to protein kinase C binding; transforming growth factor beta binding; virus receptor activity; voltage-gated calcium channel activity;
