

Product Name: KD-Validated Integrin Subunit Alpha V Rabbit Polyclonal Antibody
Catalog #: KVA00830

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,500-1:5,000
Molecular Weight	Calculated MW: 116.0kDa

Antigen Information

Gene Name	ITGAV
Alternative Names	ITGAV; Integrin Subunit Alpha V; CD51; MSK8; VNRA; VTNR; Integrin, Alpha V (Vitronectin Receptor, Alpha Polypeptide, Antigen CD51); Antigen Identified By Monoclonal Antibody L230; Vitronectin Receptor Subunit Alpha; Vitronectin Receptor; Integrin Alpha-V; Integrin AlphaVbeta3; Integrin, Alpha V; CD51 Antigen
Gene ID	3685.0
SwissProt ID	P06756
Immunogen	A synthesized peptide derived from human CD51 HC

Background

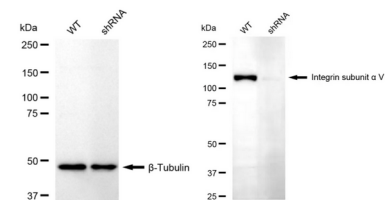
The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins

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. [provided by RefSeq, Oct 2015]

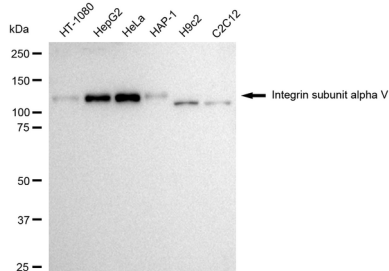
Research Area

Cardiovascular, Microbiology, Stem Cells

Image Data



Western blotting analysis using Integrin subunit alpha V antibody (KVA00830). Integrin subunit alpha V expression in wild type (WT) and Integrin subunit alpha V shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Integrin subunit alpha V antibody (KVA00830, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Integrin subunit alpha V antibody (KVA00830). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Integrin subunit alpha V antibody (KVA00830, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.