

For Research Use Only

Integrin Alpha V Recombinant antibody

Catalog Number: 84883-5-RR



Basic Information

Catalog Number:

84883-5-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25825

GenBank Accession Number:

BC136442

GeneID (NCBI):

3685

UNIPROT ID:

P06756

Full Name:

integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)

Calculated MW:

1048 aa, 116 kDa

Observed MW:

130 kDa

Purification Method:

Protein A purification

CloneNo.:

242376D3

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: A549 cells, HUVEC cells, MCF-7 cells, human placenta tissue

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin alpha V, also known as CD51, is a type I transmembrane glycoprotein composed of an extracellular domain, a transmembrane region and cytoplasmic domain (PMID: 2430295; 1690718). It can form heterodimers with one of the five beta integrin subunits (beta 1, 3, 5, 6, 8) that recognize ligands containing the sequence Arg-Gly-Asp, such as vitronectin, fibronectin, and osteopontin (PMID: 37087799). Integrin alpha V mainly plays a role in extracellular matrix-mediated cell adhesion and migration, differentiation, wound healing, inflammation, tumorigenesis, proliferation, angiogenesis, and metastasis.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

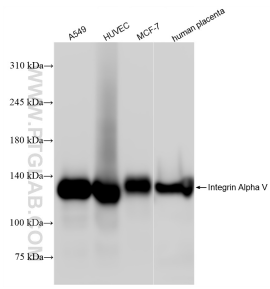
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84883-5-RR (Integrin Alpha V antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.