

For Research Use Only

Integrin alpha-9 Recombinant monoclonal antibody, PBS Only

Catalog Number: 88081-2-PBS



Basic Information

Catalog Number: 88081-2-PBS	GenBank Accession Number: NM_002207.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3680	CloneNo.: 260170E4
Isotype: IgG	UNIPROT ID: Q13797	
Immunogen Catalog Number: EG6174	Full Name: integrin, alpha 9	
	Calculated MW: 114 kDa	
	Observed MW: 140-150 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated α and β subunits (PMID: 9779984). Integrin alpha 9 contains a large N-terminal extracellular domain with 7 conserved repeats of putative metal-binding domains, a transmembrane segment, and a short C-terminal cytoplasmic tail (PMID: 8245132). Integrin alpha 9 interacts with integrin beta 1, generating $\alpha 9 \beta 1$ heterodimer, which is expressed in many cell types, including epithelial cells, neutrophils, hepatocytes, muscle, and endothelial cells (PMID: 21975548). It binds to a diversity of ligands in the extracellular matrix, like the α -disintegrin and metalloprotease (ADAM) family, THBS1, EMILIN1, VEGF, tenascin-C, osteopontin, fibronectin, and VCAM1 (PMID: 21975548; 33790909). Integrin $\alpha 9 \beta 1$ has been implicated in diverse biological functions, including angiogenesis, lymphangiogenesis, lymphatic valve morphogenesis, granulopoiesis and tumorigenesis (PMID: 20179422).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

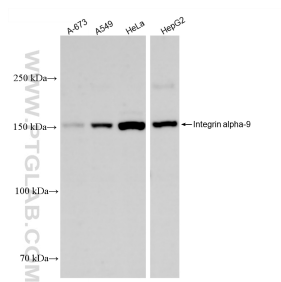
T: 4006900926

E: Proteintech-CN@ptglab.com

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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 88081-2-RR (Integrin alpha-9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88081-2-PBS in a different storage buffer formulation.