

For Research Use Only

# Integrin alpha-9 Polyclonal antibody

Catalog Number: 28348-1-AP



## Basic Information

<b>Catalog Number:</b> 28348-1-AP	<b>GenBank Accession Number:</b> BC030198	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150 µg/ml	<b>GeneID (NCBI):</b> 3680	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13797	
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin, alpha 9	
<b>Immunogen Catalog Number:</b> AG28815	<b>Calculated MW:</b> 114 kDa	
	<b>Observed MW:</b> 135 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells, NIH/3T3 cells
<b>Species Specificity:</b> Human, Mouse	

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated  $\alpha$  and  $\beta$  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  $\alpha$ -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 -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:

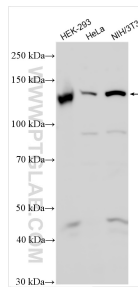
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28348-1-AP (Integrin alpha 9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.