

For Research Use Only

# Integrin alpha 11 Recombinant antibody

Catalog Number: 84695-1-RR



## Basic Information

<b>Catalog Number:</b> 84695-1-RR	<b>GenBank Accession Number:</b> NM_001004439	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 22801	<b>CloneNo.:</b> 241351B7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UIK5	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin, alpha 11	
	<b>Calculated MW:</b> 133 kDa	
	<b>Observed MW:</b> 170 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : SH-SY5Y cells, Neuro-2a cells, HeLa cells, A549 cells
<b>Species Specificity:</b> human, mouse	

## Background Information

The integrins are a superfamily of cell adhesion receptors that bind to extracellular matrix ligands, cell-surface ligands, and soluble ligands (PMID: 17543136). They are transmembrane αβ heterodimers and at least 24 distinct integrin heterodimers are formed by the combination of 18 α and eight β known subunits (PMID: 17543136; 20029421). In addition to mediating cell adhesion, integrins also play important roles in modulating signal transduction pathways that control cellular responses including migration, proliferation, differentiation, and apoptosis (PMID:19118207). Integrin alpha 11 (ITGA11) combines with the beta 1 subunit (ITGB1, CD29) to form a cell-surface receptor for collagen. This receptor is involved in cell migration and collagen reorganization on mesenchymal nonmuscle cells (PMID: 11518510). It is also involved in the regulation of myofibroblast phenotypic differentiation during fibrotic diseases (PMID: 29147013).

## Storage

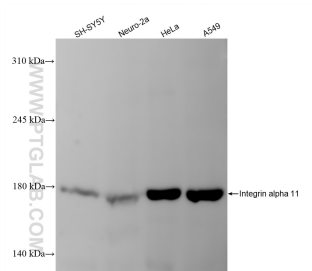
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 84695-1-RR (Integrin alpha 11 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.