

For Research Use Only

Integrin alpha 11 Recombinant antibody

Catalog Number: 84695-1-RR



Basic Information

Catalog Number:

84695-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001004439

GeneID (NCBI):

22801

UNIPROT ID:

Q9UIK5

Full Name:

integrin, alpha 11

Calculated MW:

133 kDa

Observed MW:

170 kDa

Purification Method:

Protein A purification

CloneNo.:

241351B7

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: SH-SY5Y cells, Neuro-2a cells, HeLa cells, A549 cells

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 $\alpha\beta$ 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

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

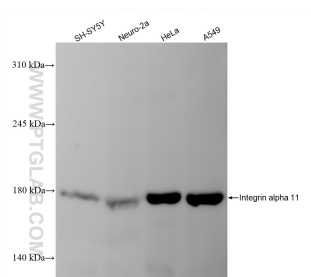
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84695-1-RR (Integrin alpha 11 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.