

For Research Use Only

Integrin alpha-8 Polyclonal antibody

Catalog Number: 55068-1-AP



Basic Information

Catalog Number:

55068-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003638

GeneID (NCBI):

8516

UNIPROT ID:

P53708

Full Name:

integrin, alpha 8

Calculated MW:

117 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse lung tissue,

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated α and β subunits. Integrin alpha-8 is a single-pass type I membrane protein that forms a heterodimer with integrin beta-1 to serve as a receptor for RGD-containing matrix molecules (fibronectin, vitronectin, tenascin C, osteopontin, and nephronectin) (PMID: 33000355). Integrin alpha-8 beta-1 plays a critical role in epithelial-mesenchymal interactions and functions in the genesis of kidney and probably of other organs (PMID: 9054500; 19769957). The apparent molecular weight of integrin alpha-8 is larger than the calculated molecular weight of 117 kDa, possibly due to glycosylation (PMID: 7768999).

Storage

Storage:

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

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 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:

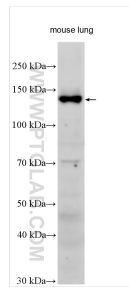
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Mouse lung tissue was subjected to SDS PAGE followed by western blot with 55068-1-AP (Integrin alpha-8 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.