

# Integrin alpha-8 Polyclonal antibody

Catalog Number: 55068-1-AP

## Basic Information

**Catalog Number:**

55068-1-AP

**Size:**

150ul , Concentration: 750 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;

**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  $\alpha$  and  $\beta$  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 NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

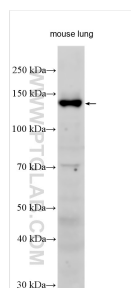
**\*\*\* 20ul sizes contain 0.1% BSA**

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

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W: [ptglab.com](http://ptglab.com)**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.