

For Research Use Only

Integrin beta-8 Polyclonal antibody

Catalog Number: 29775-1-AP

2 Publications



Basic Information

Catalog Number:

29775-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31137

GenBank Accession Number:

NM_002214

GeneID (NCBI):

3696

UNIPROT ID:

P26012

Full Name:

integrin, beta 8

Calculated MW:

86 kDa

Observed MW:

95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : human ovary cancer tissue, human intrahepatic cholangiocarcinoma tissue

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin beta-8 (ITGB8), belongs to the integrin beta chain family, contains an N-terminal signal peptide, a large extracellular domain that includes four cysteine-rich repeats, a transmembrane domain, and a C-terminal cytoplasmic domain (PMID: 1918072). Integrin beta-8 associates with integrin alpha-V (ITGAV) to form an $\alpha v\beta 8$ heterodimer which has been shown to bind vitronectin, fibronectin, and a latency-associated peptide of TGF- $\beta 1/3$ (PMID: 27033701). Integrin beta-8 contains multiple potential N-linked glycosylation sites. The observed molecular mass of approximately 95 kDa for integrin beta-8 is larger than the predicted 86 kDa, consistent with substantial glycosylation (PMID: 1918072).

Notable Publications

Author	Pubmed ID	Journal	Application
Tao Yang	39487135	Nat Commun	
Haixiang Xie	37603520	Medicine (Baltimore)	IHC

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

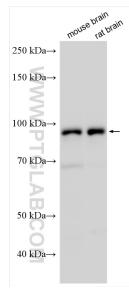
For technical support and original validation data for this product please contact:

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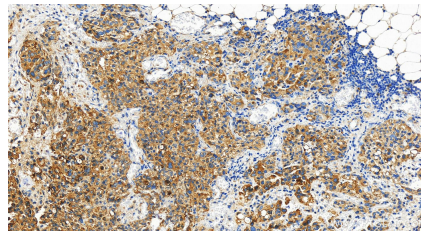
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29775-1-AP (Integrin beta-8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 29775-1-AP (Integrin beta-8 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).