

For Research Use Only

Integrin beta-8 Polyclonal antibody

Catalog Number: 29775-1-AP

1 Publications



Basic Information

Catalog Number: 29775-1-AP	GenBank Accession Number: NM_002214	Purification Method: Antigen affinity purification
Size: 550 ug/ml	GeneID (NCBI): 3696	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:400-1:1600
Source: Rabbit	UNIPROT ID: P26012	
Isotype: IgG	Full Name: integrin, beta 8	
Immunogen Catalog Number: AG31137	Calculated MW: 86 kDa	
	Observed MW: 95 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: IHC	IHC : human ovary cancer tissue, human intrahepatic cholangiocarcinoma tissue
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	

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- β 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
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

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

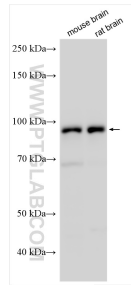
T: 4006900926

E: Proteintech-CN@ptglab.com

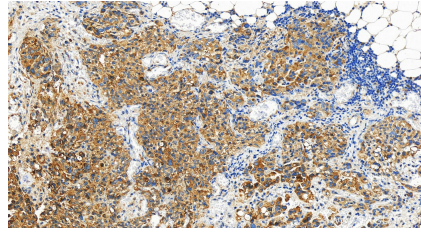
W: ptgcn.com

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 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).