

For Research Use Only

Integrin beta-8 Polyclonal antibody, PBS Only

Catalog Number: 29775-1-PBS



Basic Information

Catalog Number: 29775-1-PBS	GenBank Accession Number: NM_002214	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 3696	
Isotype: IgG	UNIPROT ID: P26012	
Immunogen Catalog Number: AG31137	Full Name: integrin, beta 8	
	Calculated MW: 86 kDa	
	Observed MW: 95 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

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).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

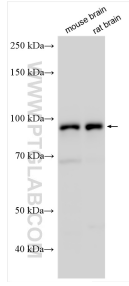
T: 4006900926

E: Proteintech-CN@ptglab.com

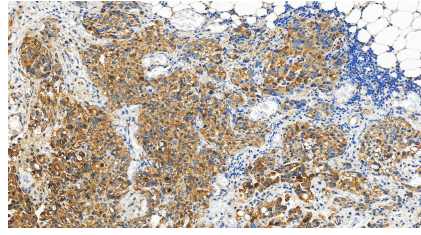
W: ptgcn.com

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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. This data was developed using the same antibody clone with 29775-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29775-1-PBS in a different storage buffer formulation.