

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: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 3696	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: integrin, beta 8	
Isotype: IgG	Calculated MW: 86 kDa	
Immunogen Catalog Number: AG31137	Observed MW: 95 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue,
Cited Applications: IHC	
Species Specificity: Human, Mouse	
Cited Species: human	

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
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

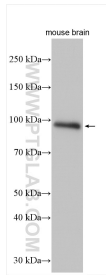
For technical support and original validation data for this product please contact:

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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 29775-1-AP (Integrin beta-8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.