

For Research Use Only

IA-2/PTPRN Monoclonal antibody, PBS Only



Catalog Number: 66045-1-PBS

Basic Information

Catalog Number: 66045-1-PBS	GenBank Accession Number: BC007713	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 5798	CloneNo.: 1D3F5
Source: Mouse	UNIPROT ID: Q16849	
Isotype: IgG3	Full Name: protein tyrosine phosphatase, receptor type, N	
Immunogen Catalog Number: AG17909	Calculated MW: 105 kDa	
	Observed MW: 60-65 kDa, 106-115 kDa	

Applications

Tested Applications:
WB, IF, IHC, ELISA

Species Specificity:
human

Background Information

IA-2/PTPRN is a member of the protein tyrosine phosphatase (PTP) family, which contains a transmembrane region, an intracellular PTP-like domain and an extracellular N-terminus. Experiments found that IA-2/PTPRN localizes to secretory granules and is exclusively expressed in neuroendocrine cells (including pancreatic islets cell). IA-2/PTPRN was found to be a major autoantigen in insulin-dependent diabetes mellitus and the detection of autoantibodies against IA-2/PTPRN is commonly used as a diabetes diagnosis marker.

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

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

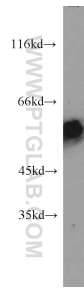
T: 4006900926

E: Proteintech-CN@ptglab.com

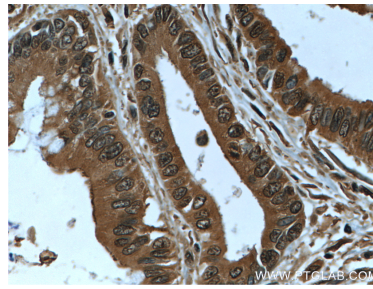
W: ptgcn.com

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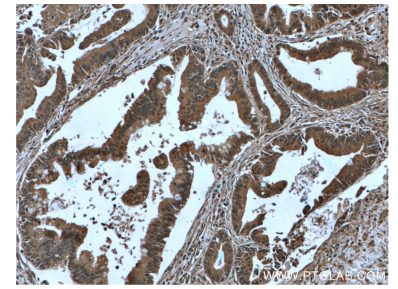
Selected Validation Data



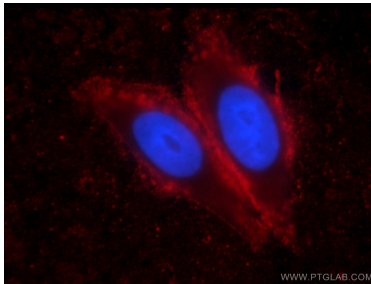
human brain tissue were subjected to SDS PAGE followed by western blot with 66045-1-Ig (IA-2/PTPRN antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66045-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66045-1-Ig (IA-2/PTPRN antibody at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66045-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66045-1-Ig (IA-2/PTPRN antibody at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66045-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of HepG2 cells using 66045-1-Ig (IA-2/PTPRN antibody) at dilution of 1:25 and Rhodamine-Goat anti-Mouse IgG. This data was developed using the same antibody clone with 66045-1-PBS in a different storage buffer formulation.