

For Research Use Only

GP2 Recombinant antibody, PBS Only

Catalog Number: 84728-4-PBS



Basic Information

Catalog Number:	84728-4-PBS	GenBank Accession Number:	NM_001007240.2	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	2813	CloneNo.:	242300F9
Source:	Rabbit	UNIPROT ID:	P55259-1		
Isotype:	IgG	Full Name:	glycoprotein 2 (zymogen granule membrane)		
		Calculated MW:	59 kDa		
		Observed MW:	70 kDa		

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Pancreatic secretory granule membrane major glycoprotein (GP2) is the most abundant membrane component of zymogen granules secreted by pancreatic acinar cells (PMID: 8190715). GP2 associates with the plasma membrane via glycosylphosphatidylinositol (GPI) linkage. It is released from the membrane of mature zymogen granules by an enzymatic mechanism (PMID: 2011597). GP2 plays a role in defense against adhesive and invasive commensal bacteria during intestinal inflammation (PMID: 33594081). GP2 is preferentially expressed in acinar cell carcinomas of the pancreas but the glycoprotein can rarely also be expressed in a variety of other tumor entities (PMID: 36137400). The apparent molecular weight of GP2 is 70-100 kDa, which is larger than the calculated molecular weight, due to glycosylation (PMID: 19627615; 30186250).

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:

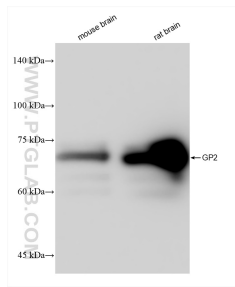
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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 84728-4-RR (GP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84728-4-PBS in a different storage buffer formulation.