

For Research Use Only

GPSM2 Recombinant antibody, PBS Only

Catalog Number: 86175-1-PBS



Basic Information

Catalog Number: 86175-1-PBS	GenBank Accession Number: BC027732	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 29899	CloneNo.: 250793G2
Source: Rabbit	UNIPROT ID: P81274	
Isotype: IgG	Full Name: G-protein signaling modulator 2 (AGS3-like, C. elegans)	
Immunogen Catalog Number: AG25195	Calculated MW: 75 kDa	
	Observed MW: 70-77 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

GPSM2 belongs to a family of proteins that modulate activation of G proteins. GPSM2 assists in the exchange of guanine nucleotides, and allows extracellular signals to be transmitted to cells via cell surface, and ultimately plays a key role in the activation of G-proteins. Therefore, GPSM2 is a critical factor for the stability of cell division. Some recent studies have shown that GPSM2 messenger RNA (mRNA) is overexpressed and plays a positive role in the development of certain tumors, such as liver cancer, pancreatic cancer, breast cancer. It also plays a role in neuroblast division and in the development of normal hearing. Mutations in GPSM2 are associated with autosomal recessive nonsyndromic deafness (DFNB82), which is a form of non-syndromic deafness characterized by prelingual, bilateral, severe, sensorineural hearing loss.

Storage

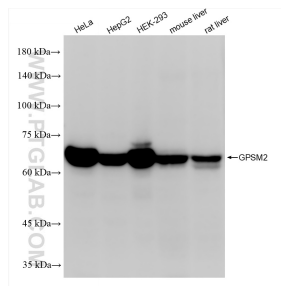
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86175-1-RR (GP5M2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86175-1-PBS in a different storage buffer formulation.