

For Research Use Only

LRFN2 Polyclonal antibody, PBS Only

Catalog Number: 27576-1-PBS



Basic Information

Catalog Number: 27576-1-PBS	GenBank Accession Number: BC142616	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 57497	
Source: Rabbit	UNIPROT ID: Q9ULH4	
Isotype: IgG	Full Name: leucine rich repeat and fibronectin type III domain containing 2	
Immunogen Catalog Number: AG24558	Calculated MW: 789 aa, 85 kDa	
	Observed MW: 85-100 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

LRFN2, also known as SALM1. It is mainly located in cell membrane and cytoplasm, and it is expressed at the synaptic contact at the base of cone cells, especially at the base of presynaptic endings, which is closely related to the dendrites of OFF bipolar cells (PMID: 40251167). In mammals, LRFN2 is mainly expressed in cone cells, but not in rod cells, and its expression in other retinal neurons is limited. In addition, the expression level in embryonic nerve cells is relatively low, mainly in more mature cells. LRFN2 plays a key role in synaptic transmission between cone cells and OFF bipolar cells. It can maintain the physical connection between cone cells and OFF bipolar cells, and gather glutamate receptors at the postsynaptic membrane to ensure strong dendritic transmission in OFF pathway, thus participating in the transmission of visual signals, which is very important for the coding of visual contrast and the defense behavior driven by looming. In bladder cancer, the increased expression of LRFN2 will inhibit the infiltration and functional transformation of CD8+ T cells, thus weakening the anti-tumor immune response, leading to bladder cancer resistance to immune checkpoint inhibitors, and its high expression is related to the poor prognosis of bladder cancer patients (PMID:37802603).

Storage

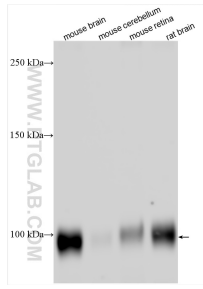
Storage:
Store at -80°C.

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) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27576-1-AP (LRFN2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27576-1-PBS in a different storage buffer formulation.