

For Research Use Only

SPG21 Polyclonal antibody

Catalog Number:19815-1-AP



Basic Information

Catalog Number: 19815-1-AP	GenBank Accession Number: BC000244	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 51324	Recommended Dilutions: WB: 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9NZD8	
Isotype: IgG	Full Name: spastic paraplegia 21 (autosomal recessive, Mast syndrome)	
Immunogen Catalog Number: AG13851	Calculated MW: 308 aa, 35 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HL-60 cells, HeLa cells
Species Specificity: human	

Background Information

SPG21, also known as Maspardin, is a protein encoded by the SPG21 gene on human chromosome 15q22.31. SPG21 is critical for the proper movement and positioning of lysosomes within neurons, which is essential for maintaining axonal health. Mutations in the SPG21 gene underlie hereditary spastic paraplegia (SPG) type 21 (also known as Mast syndrome). This is a complex form of SPG characterized by motor coordination defects due to axonal degeneration of corticospinal neurons and associated with dementia, cerebellar, and extrapyramidal abnormalities and, in some cases, seizures.(PMID: 41400694,PMID: 34492745)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

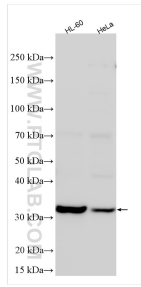
For technical support and original validation data for this product please contact:

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 19815-1-AP (SPG21 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.