

For Research Use Only

CLN5 Polyclonal antibody

Catalog Number: 24605-1-AP



Basic Information

Catalog Number: 24605-1-AP	GenBank Accession Number: BC153154	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 1203	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: O75503	
Isotype: IgG	Full Name: ceroid-lipofuscinosis, neuronal 5	
Immunogen Catalog Number: AG18175	Calculated MW: 407 aa, 46 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, NIH/3T3 cells
Species Specificity: human, mouse	

Background Information

The CLN5 (ceroid lipofuscinosis neuronal protein 5) protein is ubiquitously expressed in the majority of tissues studied and in the brain, CLN5 shows both neuronal and glial cell expression. CLN5 plays a role in maintaining an acidic environment in the lysosomes, a critical feature for a functional lysosome (PMID: 38236309). Moreover, CLN5-deficient neuronal progenitor cells showed reduced thioesterase activity, confirming the live cell function of CLN5 in setting S-depalmitoylation levels (PMID: 35427157).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

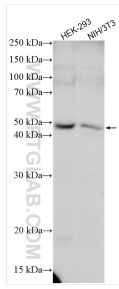
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24605-1-AP (CLN5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.