

For Research Use Only

GDAP1L1 Monoclonal antibody

Catalog Number: 68340-1-Ig



Basic Information

Catalog Number: 68340-1-Ig	GenBank Accession Number: BC009014	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 78997	CloneNo.: 1C7A3
Source: Mouse	UNIPROT ID: Q96MZO	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2b	Full Name: ganglioside-induced differentiation-associated protein 1-like 1	
Immunogen Catalog Number: AG27717	Calculated MW: 367 aa, 42 kDa	
	Observed MW: 38-40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat, pig, rabbit	WB : fetal human brain tissue, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue, pig cerebellum tissue, rabbit cerebellum tissue, rat cerebellum tissue, mouse cerebellum tissue

Background Information

Ganglioside-induced differentiation-associated protein 1-like 1 (GDAP1L1) belongs to GST superfamily. Owing to its central role in mitochondrial fission, GDAP1L1 is a homologue of GDAP1 implicated in cellular processes, such as cell death, autophagy, aging, and immune response regulation (PMID:32230997). GDAP1L1, a fission factor controlling mitochondrial fission, induces fission upon translocation from the cytosol to mitochondria in response to stress condition (PMID:34638757). Furthermore, the activity of GDAP1L1 is dependent on Drp1. GDAP1, a paralog of GDAP1L1, evokes mitochondrial fragmentation only in the presence of Drp1 in HeLa cells (PMID:19782751).

Storage

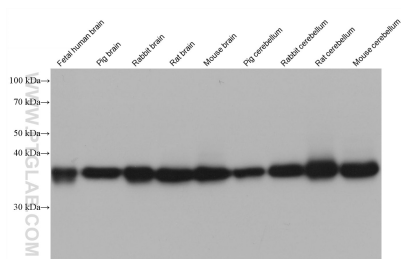
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68340-1-Ig (GDAP1L1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.