

For Research Use Only

GDAP1L1 Monoclonal antibody

Catalog Number: 68340-1-Ig



Basic Information

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

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat, pig, rabbit

Positive Controls:
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.

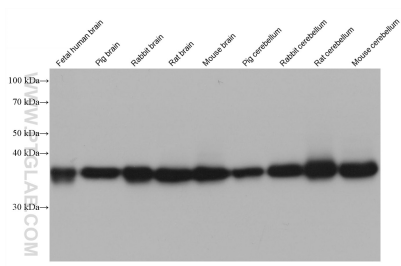
Aliquoting is unnecessary for -20°C storage

*** 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.