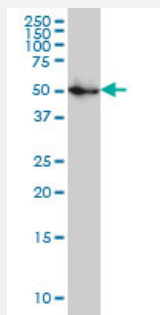


SPG3A monoclonal antibody (M03), clone 1B9

Catalog # H00051062-M03

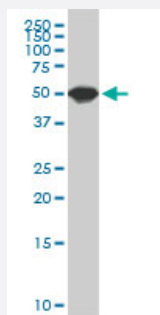
Size 100 ug

Applications



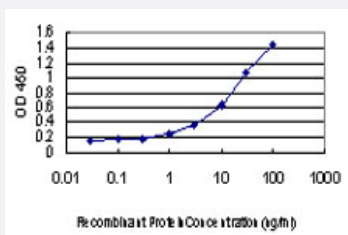
Western Blot (Cell lysate)

SPG3A monoclonal antibody (M03), clone 1B9 Western Blot analysis of SPG3A expression in IMR-32 (Cat # L008V1).



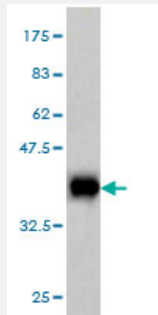
Western Blot (Cell lysate)

SPG3A monoclonal antibody (M03), clone 1B9. Western Blot analysis of SPG3A expression in PC-12 (Cat # L012V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SPG3A is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SPG3A.
Immunogen	SPG3A (NP_056999, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAKNRRDRNSWGGFSEKTYEWSSEEEEPVKKAGPVQVLVKDDHSFELDETALNRILLSEAVRD KEVVAVSVAGAFRKGKSFLMDFMLRYMYNQESVDWV
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SPG3A monoclonal antibody (M03), clone 1B9 Western Blot analysis of SPG3A expression in IMR-32 (Cat # L008V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

SPG3A monoclonal antibody (M03), clone 1B9. Western Blot analysis of SPG3A expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SPG3A is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ATL1

Entrez GeneID [51062](#)

GeneBank Accession# [NM_015915](#)

Protein Accession# [NP_056999](#)

Gene Name ATL1

Gene Alias AD-FSP, FSP1, GBP3, SPG3, SPG3A, atlastin1

Gene Description atlastin GTPase 1

Omim ID [182600 606439](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a GTPase and a Golgi body transmembrane protein. The encoded protein can form a homotetramer and has been shown to interact with spastin and with mitogen-activated protein kinase kinase kinase 4. This protein may be involved in axonal maintenance as evidenced by the fact that defects in this gene are a cause of spastic paraplegia type 3. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations GTP-binding protein 3|atlastin-1|brain-specific GTP-binding protein|guanine nucleotide-binding protein 3|guanylate-binding protein 3

Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
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- [Spastic Paraplegia](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)