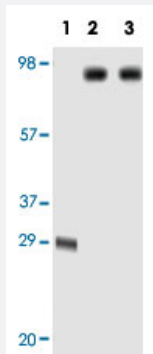


DNM1 monoclonal antibody, clone 3G4B6

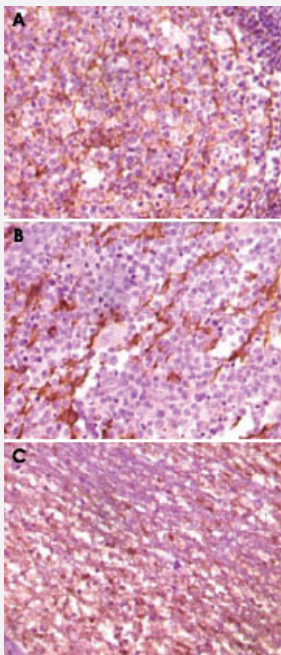
Catalog # MAB8301 Size 100 uL

Applications



Western Blot

Western blot analysis using DNM1 monoclonal antibody, clone 3G4B6 (Cat # MAB8301) against truncated DNM1 recombinant protein (Lane 1), SK-N-SH (Lane 2) and NIH/3T3 (Lane 3) cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lymph tissue (A), glioma tissue (B) and cerebellum tissue (C), showing membrane localization using DNM1 monoclonal antibody, clone 3G4B6 (Cat # MAB8301) with DAB staining.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant DNM1.
Immunogen	Recombinant protein corresponding to truncated human DNM1.

Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	Western Blot (1:500-1:2000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:2000) Immunohistochemistry (Frozen sections) (1:500-1:2000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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- Immunohistochemistry (Frozen sections)

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DNM1

Entrez GeneID	1759
Gene Name	DNM1
Gene Alias	DNM
Gene Description	dynamin 1
Omim ID	602377

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase activity. More than sixty highly conserved copies of the 3' region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Rapid purification of native dynamin I and colorimetric GTPase assay.](#)

Quan A, Robinson PJ.

Methods in Enzymology 2005 Jan; 404:556.

Application: IP, WB, Sheep, Sheep brains

- [Activation of dynamin I gene expression by Sp1 and Sp3 is required for neuronal differentiation of N1E-115 cells.](#)

Yoo J, Jeong MJ, Kwon BM, Hur MW, Park YM, Han MY.

The Journal of Biological Chemistry 2002 Apr; 277(14):11904.

Application: IF, Mouse, N1E-115 cells

Pathway

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)

Disease

- [Tobacco Use Disorder](#)