

Dynamin I Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0450
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human Dynamin I expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Dynamin-1
Synonyms	DNM1; DNM; Dynamin-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

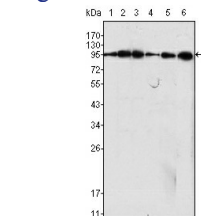
ELISA: 1:10000

IHC: 1:200 - 1:1000

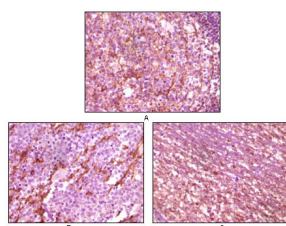
WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using Dynamin I Monoclonal antibody against C6 (1) NIH/3T3 (2) SKN-SH (3) LN18 (4) SHSY5Y (5) cell lysate and rat brain tissues lysate (6).



Immunohistochemistry analysis of paraffin-embedded human lymph tissue (A), glioma tissue (B) and cerebellum tissue (C), showing membrane localization with DAB staining using Dynamin I Monoclonal antibody.

Storage

-20°C for one year

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