

Dynamin-2 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2787
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of Dynamin-2 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC
Concentration	N/A
Full name	N/A
Synonyms	DYN2;DYNII;CMTDI1;CMTDIB;DI-CMTB;DNM2

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

Background

Dynamin-2 (Dyn2), with 870-amino acid protein (about 95kDa), belongs to the dynamin family. Dynamin-1 (neuron-specific), dynamin-2 (ubiquitously expressed), and dynamin-3 (expressed only in the testis, brain, and lung), constitute the dynamin family. Members of the dynamin family are GTPase, microtubule-associated proteins which are involved in endocytosis, synaptic transmission and neurogenesis. Dynamin 1 is expressed exclusively in neurons, Dynamin 2 is ubiquitously expressed and Dynamin 3 is thought to be restricted to expression in the brain, testis, heart, and lung. The dynamins participate in the cellular process of clathrin-mediated and fluid-phase endocytosis.

Recommended Dilution

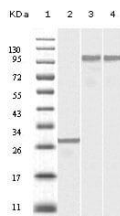
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

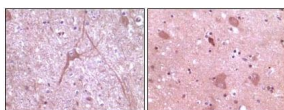
ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using Dynamin2 mouse mAb against truncated Dynamin-2 recombinant protein (1), SKN-SH cell lysate (2) and NIH/3T3 cell lysate (3).



Immunohistochemical analysis of paraffin-embedded human cerebrum tissue (left) and myelencephalon tissue (right), showing cytoplasmic localization using Dynamin2 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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