
Dynamin-1 (3G4B) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252653

Unit: 0.1 ml

Description:

Dyn1 (Dynamin-1) is a 864-amino acid protein (~95kDa) belongs to the dynamin family. Dynamin-1 (neuron-specific), dynamin-2 (ubiquitously expressed), and dynamin-3 (expressed only in the testis, brain and lungs), constitute the dynamin family. Members of the dynamin family are GTPases, microtubule-associated proteins which are involved in endocytosis, synaptic transmission and neurogenesis. Dynamin-1 is phosphorylated in nerve terminals exclusively in the cytosolic compartment and in vitro by protein kinase C. Dynamin-1 is a large GTPase enzyme required in membrane constriction and fission during multiple forms of endocytosis. Dynamin-1 is also a key molecule required for the recycling of synaptic vesicles in neurons, and it has been known that dynamin-1 gene expression is induced during neuronal differentiation.

Isotype: Mouse IgG2a

Applications: WB, IHC

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: Dynamin-1; DNM; DNM1

Accession No.: Q05193

Antigen: Purified recombinant fragment of human Dynamin-1 expressed in E. coli.

Application Notes: WB: 1:500-1:2000; IHC: 1:200-1:1000

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.