

Product datasheet for **TA384112**

Dynamin 1 (DNM1) Mouse Monoclonal Antibody [Clone ID: 5B9-5G3-6D2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5B9-5G3-6D2
Applications:	IHC, WB
Recommended Dilution:	WB: 1/500-1/2000 IHC: 1/200-1/1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human Dynamin-1 expressed in E. Coli.
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, pH 7.3.
Concentration:	lot specific
Purification:	Ascitic Fluid
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	97kDa
Gene Name:	dynamin 1
Database Link:	Entrez Gene 1759 Human Q05193



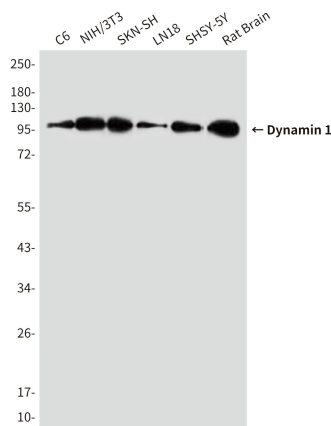
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Background:

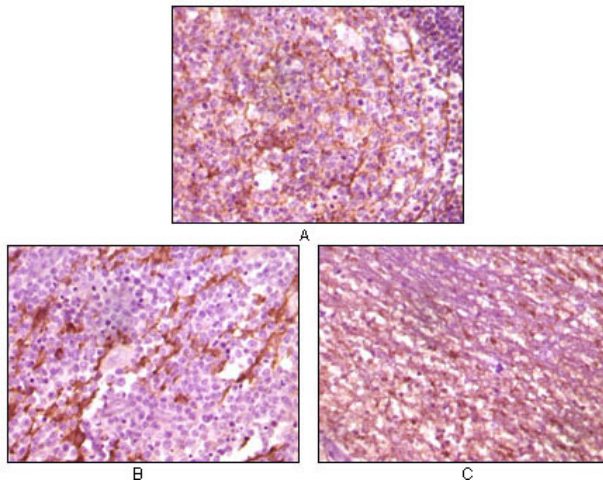
Swiss-Prot Acc.Q05193.Dynamin-1 (Dyn1), with 864-amino acid protein (about 95kDa), belongs to the dynamin family. Dynamin-1 (neuron-specific), dynamin-2 (ubiquitously expressed), and dynamin-3 (expressed only in the Tis, brain, and lung), constitute the dynamin family. Members of the dynamin family are GTPase, microtubule-associated proteins which are involved in endocytosis, synaptic transmission and neurogenesis. Dynamin-1 is 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.

Synonyms:

DNM

Product images:


Western blot analysis of Dynamin 1 (5B9) in C6, NIH/3T3, SK-N-SH, LN18, SH-SY5Y lysates and rat brain lysates using Dynamin 1 (5B9) antibody.



Immunohistochemical analysis of paraffin-embedded Human tonsils using Dynamin 1 (5B9) antibody, with DAB staining. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.