

Product datasheet for TA336537

Dynamin 1 (DNM1) Mouse Monoclonal Antibody [Clone ID: 3G4B6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3G4B6
Applications:	FC, IHC, WB
Recommend Dilution:	WB: 1:500- 1:2000, ELISA: 1:10000, FC: 1 ug per million cells, IHC: 1:10-1:500, IHC-F: 1:200-1:1000, IHC-P: 1:200- 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human Dynamin expressed in E. coli. [UniProt# Q05193]
Formulation:	Preservative: 0.05% Sodium Azide. Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Concentration:	This product is unpurified. The exact concentration of antibody is not quantifiable.
Purification:	Ascites
Predicted Protein Size:	97 kDa
Gene Name:	dynamin 1
Database Link:	NP_004399 Entrez Gene 1759 Human
Background:	Dynamin (Dynamin-1, Dyn1), with 864-amino acid protein (about 95kDa), belongs to the dynamin family. Dynamin (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 is phosphorylated in nerve terminals exclusively in the cytosolic compartment and in vitro by protein kinase C. Dynamin is a large GTPase enzyme required in membrane constriction and fission during multiple forms of endocytosis. Dynamin is also a key molecule required for the recycling of synaptic vesicles in neurons, and it has been known that Dynamin gene expression is induced during neuronal differentiation.
Synonyms:	DNM



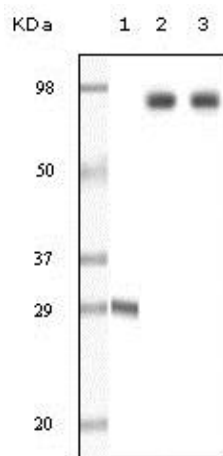
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Note: This Dynamin (3G4B6) antibody is useful for Western Blot, Immunohistochemistry on paraffin-embedded sections and ELISA.

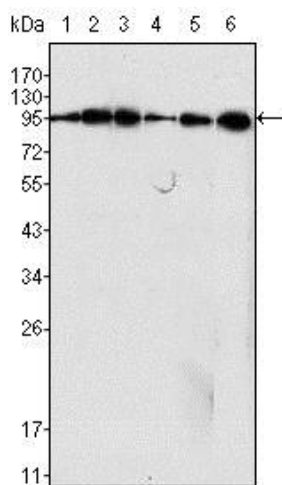
Protein Families: Druggable Genome

Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis

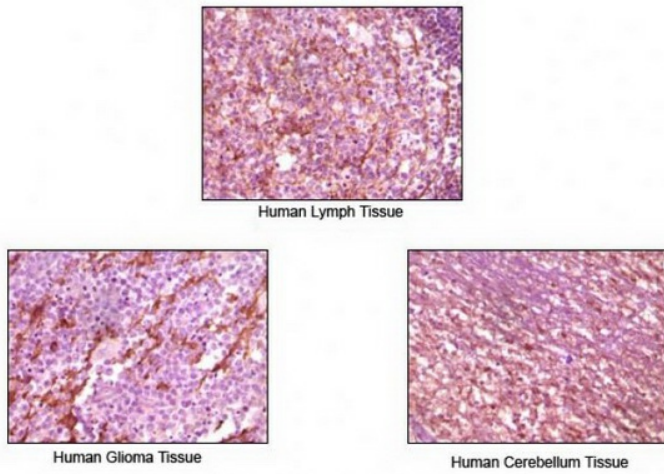
Product images:



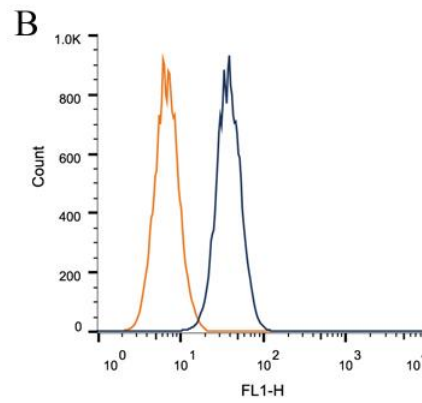
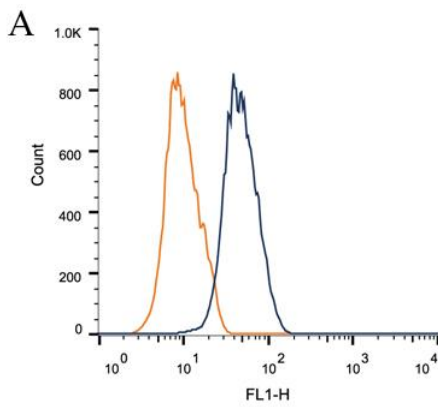
Western Blot: Dynamin Antibody (3G4B6) TA336537 - Western blot analysis using anti-Dynamin monoclonal antibody against truncated Dynamin recombinant protein (1), SK-N-SH (2) and NIH3T3 (3) cell lysate.



Western Blot: Dynamin Antibody (3G4B6) TA336537 - Western blot analysis using Dynamin mouse mAb against C6 (1), NIH/3T3 (2), SKN-SH (3), LN18 (4), SHSY5Y (5) cell lysate and rat brain tissues lysate (6).



Immunohistochemistry-Paraffin: Dynamin Antibody (3G4B6) TA336537 - Immunohistochemical analysis of paraffin-embedded human Lymph tissue, glioma tissue and cerebellum tissue, showing membrane localization using Dynamin antibody with DAB staining.



Flow Cytometry: Dynamin Antibody (3G4B6) TA336537 - Intracellular flow cytometric staining of 1×10^6 CHO (A) and HEK-293 (B) cells using Dynamin antibody (dark blue). Isotype control shown in orange. An antibody concentration of $1 \mu\text{g}/1 \times 10^6$ cells was