

## Mouse Monoclonal Antibody to Dynamin-1

<b>Catalogue Number</b>	sAP-0055
<b>Target Molecule</b>	<p><b>Name: Dynamin-1</b></p> <p><b>Aliases:</b> DNM; DNM1</p> <p><b>MW:</b> 97kDa</p> <p><b>Entrez Gene ID:</b> 1759</p>
<b>Description</b>	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 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 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.
<b>Immunogen</b>	Purified recombinant fragment of human Dynamin-1 expressed in E. Coli.
<b>Reactive Species</b>	Human
<b>Clone</b>	MM3G4B6;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Annie Quan and Phillip J. Robinson. Methods Enzymol. 2005; 404:556-69. ; 2. Jiyun Yoo, Moon-Jin Jeong, Byoung-Mog Kwon. J. Biol. Chem., Mar 2002; 277: 11904 – 11909 ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**