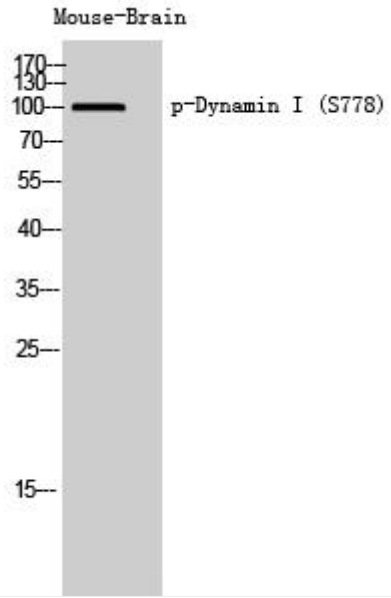
Dynamin I (phospho Ser778) Monoclonal Antibody

Catalog No	YP-mAb-00638
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DNM1
Protein Name	Dynamin-1
Immunogen	The antiserum was produced against synthesized peptide derived from human DYN1 around the phosphorylation site of Ser778. AA range:751-800
Specificity	Phospho-Dynamin I (S778) Monoclonal Antibody detects endogenous levels of Dynamin I protein only when phosphorylated at S778.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DNM1; DNM; Dynamin-1
Observed Band	100kD
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton . Microtubule-associated.
Tissue Specificity	Brain,Platelet,PNS,
Function	catalytic activity:GTP + H(2)O = GDP + phosphate.,function:Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes, in particular endocytosis.,similarity:Belongs to the dynamin family.,similarity:Contains 1 GED domain.,similarity:Contains 1 PH domain.,subcellular location:Microtubule-associated.,subunit:Interacts with CAV1 and SH3GLB1. Binds SH3GL1, SH3GL2 and SH3GL3.,
Background	dynamin 1(DNM1) Homo sapiens This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins act as binding partners for the encoded protein, which can also self-assemble leading to stimulation of GTPase

	activity. More than sixty highly conserved copies of the 3' region of this gene are found elsewhere in the genome, particularly on chromosomes Y and 15. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Dynamin I (phospho Ser778) Monoclonal Antibody