

Product Name: Dynamin I (phospho Ser778) Rabbit Polyclonal Antibody
Catalog #: APRab04568



Summary

Production Name	Dynamin I (phospho Ser778) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DNM1
Alternative Names	DNM1; DNM; Dynamin-1
Gene ID	1759.0
SwissProt ID	Q05193.The antiserum was produced against synthesized peptide derived from human DYN1 around the phosphorylation site of Ser778. AA range:751-800

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:20000
Molecular Weight	100kD

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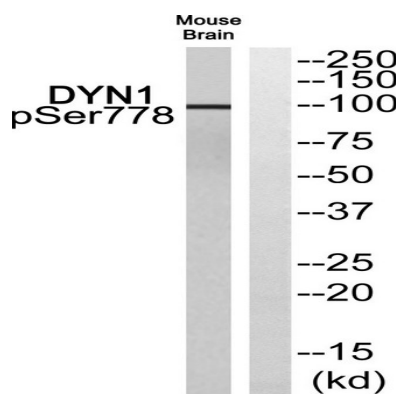
Background

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],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.,

Research Area

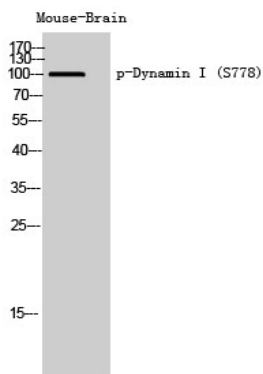
Endocytosis;Fc gamma R-mediated phagocytosis;

Image Data



Western blot analysis of DYN1 (Phospho-Ser778) Antibody. The lane on the right is blocked with the DYN1 (Phospho-Ser778) peptide.

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Western Blot analysis of Mouse-Brain cells using Phospho-Dynamin I (S778) Polyclonal Antibody

Note

For research use only.