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Dynamin 1 Recombinant Rabbit mAb

Catalog # AP96654

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q05193.2
Other Accession	Q05193.2
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	97 KDa
Physical State	Liquid
Immunogen	A synthesized peptide derived from human Dynamin 1
Epitope Specificity	800-864/864
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the dynamin family. Contains 1 GED domain. Contains 1 PH domain.
SUBUNIT	Interacts with CAV1 and SH3GLB1. Binds SH3GL1, SH3GL2 and SH3GL3 (By similarity). Interacts with PHOCN. Interacts with PACSIN1, PACSIN2 and PACSIN3 (By similarity). Interacts with SNX9. Interacts with MYO1E (via SH3 domain).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Catalyzes the hydrolysis of GTP and utilizes this energy to mediate vesicle scission and participates in many forms of endocytosis, such as clathrin-mediated endocytosis or synaptic vesicle endocytosis as well as rapid endocytosis (RE).

Additional Information

Gene ID	1759
Other Names	DEE31; DEE31A; DEE31B; DNM; EIEE31; dynamin 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Dynamin 1 Recombinant Rabbit mAb
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. Involved in receptor-mediated endocytosis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.