

ARG58507 anti-Dynamin 2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Dynamin 2
Tested Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Dynamin 2
Species	Human
Immunogen	E. coli-derived Human Dynamin 2 recombinant protein (Position: A177-Q441).
Conjugation	Un-conjugated
Alternate Names	DYNII; LCCS5; DYN2; CMT2M; CMTDI1; EC 3.6.5.5; CMTDIB; Dynamin-2; DI-CMTB

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

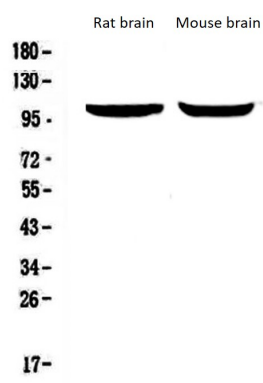
Form	Liquid
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DNM2
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Gene Full Name	dynamin 2
Background	Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Five alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined. [provided by RefSeq, Jun 2010]
Function	Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Plays a role in the regulation of neuron morphology, axon growth and formation of neuronal growth cones (By similarity). Plays an important role in vesicular trafficking processes, in particular endocytosis. Involved in cytokinesis. [UniProt]
Calculated Mw	98 kDa
PTM	Phosphorylation at Ser-764 by CDK1 is greatly increased upon mitotic entry. It regulates cytokinesis downstream of calcineurin, and does not affect clathrin-mediated endocytosis. Dephosphorylated by calcineurin/PP2 (By similarity). Phosphorylated on tyrosine residues after activation of SRC (By similarity). [UniProt]
Cellular Localization	Cytoplasm. Cytoplasm, cytoskeleton. Cell junction. [UniProt]

Images



ARG58507 anti-Dynamin 2 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat brain and Mouse brain lysates stained with ARG58507 anti-Dynamin 2 antibody at 0.5 µg/ml, overnight at 4°C.