

ARG58528 anti-Dynamin 2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Dynamin 2
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Dynamin 2
Species	Human
Immunogen	Synthetic peptide derived from Human Dynamin 2.
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
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 100 kDa	

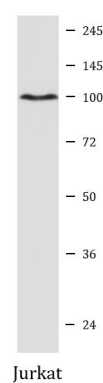
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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
Gene Full Name	dynamamin 2
Background	Dynamamins 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. Dynamamins 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. Dynamamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamamins 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	Cytoplasmic vesicle > Phagosome membrane > Peripheral membrane protein. [UniProt]

Images



ARG58528 anti-Dynamamin 2 antibody WB image

Western blot: Jurkat cell lysate stained with ARG58528 anti-Dynamamin 2 antibody.