

# Product datasheet

info@arigobio.com

# 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 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

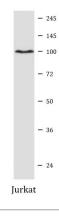
PTM Phosphorylation at Ser-764 by CDK1 is greatly increased upon mitotic entry. It regulates cytokinesis

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 Cytoplasmic vesicle > Phagosome membrane > Peripheral membrane protein. [UniProt]

#### **Images**



#### ARG58528 anti-Dynamin 2 antibody WB image

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