

Datasheet for ABIN7354731

anti-Dynamin 1 antibody (AA 616-667) (DyLight 550)



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Overview

Quantity:	100 µg
Target:	Dynamin 1 (DNM1)
Binding Specificity:	AA 616-667
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamin 1 antibody is conjugated to DyLight 550
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Human Dynamin 1 DyLight® 550 conjugated DNM1 Antibody
Immunogen:	E. coli-derived human Dynamin 1 recombinant protein (Position: W616-D667).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Human Dynamin 1 DyLight® 550 conjugated DNM1 Antibody -DyL550. Tested in Flow Cytometry applications. This antibody reacts with Human.
Purification:	Immunogen affinity purified.

Target Details

Target:	Dynamin 1 (DNM1)
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Target Details

Alternative Name:	DNM1 (DNM1 Products)
Background:	Synonyms: Dynamin-1, DNM1, DNM Background: Dynamin-1 is a protein that in humans is encoded by the DNM1 gene. 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.
Molecular Weight:	39 kDa
Gene ID:	1759
UniProt:	Q05193
Pathways:	Toll-Like Receptors Cascades , CXCR4-mediated Signaling Events , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells ¹ . Dhindsa, R. S., Bradrick, S. S., Yao, X., Heinzen, E. L., Petrovski, S., Krueger, B. J., Johnson, M. R., Frankel, W. N., Petrou, S., Boumil, R. M., Goldstein, D. B. Epileptic encephalopathy-causing mutations in DNM1 impair synaptic vesicle endocytosis. <i>Neurol. Genet.</i> 1: e4, 2015. 2. EuroEPINOMICS-RES Consortium, Epilepsy Phenome/Genome Project, Epi4K Consortium. De novo mutations in synaptic transmission genes including DNM1 cause epileptic encephalopathies. <i>Am. J. Hum. Genet.</i> 95: 360-370, 2014.
Comment:	Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Each vial contains 50 % glycerol, 0.9 % NaCl, 0.2 % Na ₂ HPO ₄ , 0.02 % Sodium azide.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.