Datasheet for ABIN966017

anti-Dynamin 1 antibody

1 Publication

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Overview

Quantity:	0.1 mL
Target:	Dynamin 1 (DNM1)
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Conjugate:	This Dynamin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Isotype:	IgG2a
Specificity:	Ni-NTA purified truncated recombinant Dynamin-1 expressed in E. Coli strain BL21 (DE3)
Purification:	Crude ascites.

Target Details

Target:	Dynamin 1 (DNM1)
Alternative Name:	Dynamin-1 (DNM1 Products)
Background:	Dynamin-1 (Dyn1), with 864-amino acid protein (about 95kDa), belongs to the dynamin family. Dynamin-1 (neuron-specific), dynamin-2 (ubiquitously expressed), and dynamin-3 (expressed only in the testis, brain, and lung), constitute the dynamin family. Members of the dynamin family are GPTase, microtubule-associated proteins which are involved in endocytosis, synaptic transmission and neurogenesis. Dynamin-1 is phosphorylated in nerve terminals exclusively in

Target Details

	the cytosolic compartment and in vitro by protein kinase C. Dynamin-1 is a large GTPase enzyme required in membrane constriction and fission during multiple forms of endocytosis. Dynamin-1 is also a key molecule required for the recycling of synaptic vesicles in neurons, and it has been known that dynamin-1 gene expression is induced during neuronal differentiation.
Pathways:	Toll-Like Receptors Cascades, CXCR4-mediated Signaling Events, Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	Western Blot: 1: 500- 1: 2,000 IHC(P): 1: 500- 1: 2,000 IHC(F): 1: 500- 1: 2,000 ELISA: Propose dilution 1: 10,000 Determining optimal working dilutions by titration test.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Storage:	-20 °C

Publications

Product cited in:	Yoo, Jeong, Kwon, Hur, Park, Han: "Activation of dynamin I gene expression by Sp1 and Sp3 is required for neuronal differentiation of N1E-115 cells." in: **The Journal of biological chemistry**, Vol. 277, Issue 14, pp. 11904-9, (2002) (PubMed).