

Datasheet for ABIN5647109
anti-Dynamin 1 antibody

6 Images

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Overview

Quantity:	100 µg
Target:	Dynamin 1 (DNM1)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	A recombinant human protein corresponding to amino acids W616-D667 was used as the immunogen for the Dynamin 1 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	Dynamin 1 (DNM1)
Alternative Name:	DNM1 / Dynamin 1 (DNM1 Products)
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

Target Details

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.

UniProt: [Q05193](#)

Pathways: [Toll-Like Receptors Cascades](#), [CXCR4-mediated Signaling Events](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Application Notes: Optimal dilution of the Dynamin 1 antibody should be determined by the researcher.\. Western Blot: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL,FACS: 1-3 µg/10⁶ cells,Direct ELISA: 0.1-0.5 µg/mL

Restrictions: For Research Use only

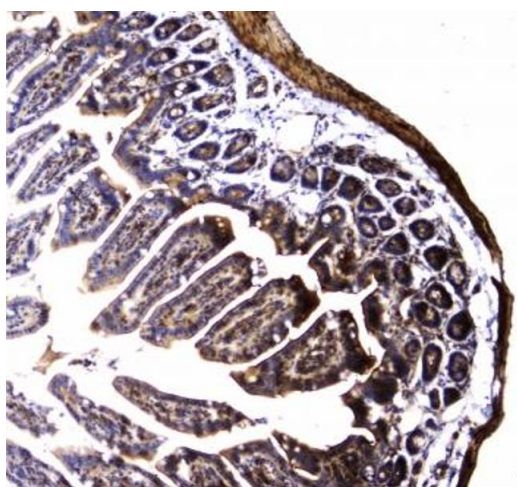
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

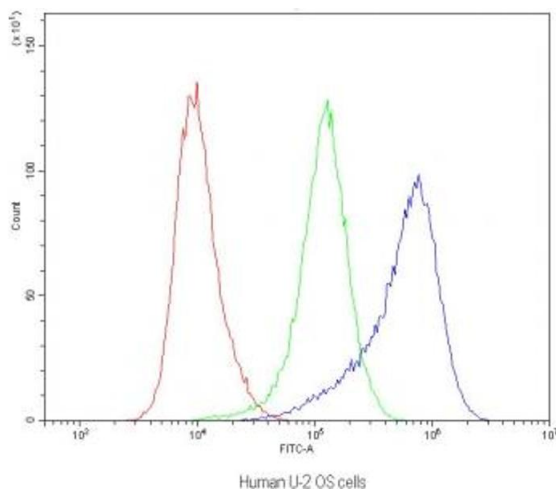
Storage Comment: After reconstitution, the Dynamin 1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



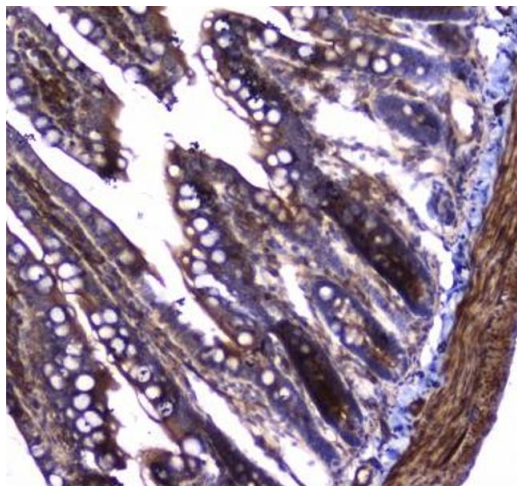
Immunohistochemistry

Image 1. IHC testing of FFPE mouse small intestine tissue with Dynamin 1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow Cytometry

Image 2. Flow cytometry testing of human U-2 OS cells with Dynamin 1 antibody at $1\mu\text{g}/10^6$ cells (blocked with goat sera)



Immunohistochemistry

Image 3. IHC testing of FFPE rat small intestine tissue with Dynamin 1 antibody at $1\mu\text{g}/\text{ml}$. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5647109.