

# Anti-Dynamin 1 Antibody [A1B1-R] - BSA and Azide free

## HA610105



<b>Product Type:</b>	Recombinant Mouse monoclonal IgG1, primary antibodies
<b>Species reactivity:</b>	Mouse, Rat
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 97 kDa
<b>Clone number:</b>	A1B1-R

**Description:** 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.

**Immunogen:** Recombinant protein within human Dynamin 1 aa 500-800.

**Positive control:** Rat brain tissue lysate, mouse brain tissue lysate.

**Subcellular location:** Cytoskeleton, cytoplasm.

**Database links:** SwissProt: Q05193 Human | P39053 Mouse | P21575 Rat

**Recommended Dilutions:**  
**WB** 1:1,000

**Storage Buffer:** PBS (pH7.4).

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

**Hangzhou Huaan Biotechnology Co., Ltd.**

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

## Images

**Fig1:** Western blot analysis of Dynamin 1 on different lysates with Mouse anti-Dynamin 1 antibody (HA610105) at 1/1,000 dilution.

Lane 1: Rat brain tissue lysate

Lane 2: Mouse brain tissue lysate

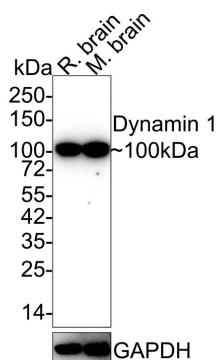
Lysates/proteins at 40 µg/Lane.

Predicted band size: 97 kDa

Observed band size: 100 kDa

Exposure time: 3 minutes;

4-20% SDS-PAGE gel.



Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA610105) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. von Spiczak S. et. al. DNM1 encephalopathy: A new disease of vesicle fission. *Neurology*. 2017 Jul 25;89(4):385-394.
2. Lee MW. et. al. Molecular Motor Dnm1 Synergistically Induces Membrane Curvature To Facilitate Mitochondrial Fission. *ACS Cent Sci*. 2017 Nov 22;3(11):1156-1167.

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