

Product Name: KD-Validated Dynamin 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01792

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 97.4kDa

Antigen Information

Gene Name	DNM1
Alternative Names	DNM1; Dynamin 1; DNM; EC 3.6.5.5; Dynamin-1; DEE31A; DEE31B; EIEE31; DEE31
Gene ID	1759.0
SwissProt ID	Q05193
Immunogen	A synthesized peptide derived from human Dynamin 1

Background

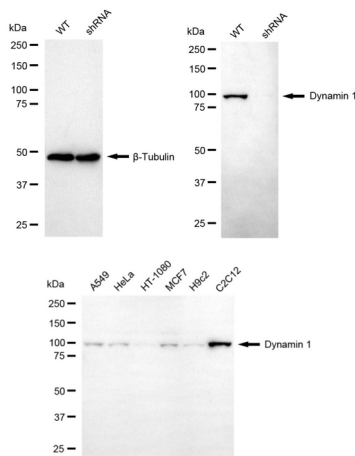
This gene encodes a member of the dynamin subfamily of GTP-binding proteins. The encoded protein possesses unique mechanochemical properties used to tubulate and sever membranes, and is involved in clathrin-mediated endocytosis and other vesicular trafficking processes. Actin and other cytoskeletal proteins 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. [provided by RefSeq, Jul 2008]

Research Area

Signal Transduction, Neuroscience

Image Data



Western blotting analysis using dynamin 1 antibody (KVA01792). Dynamin 1 expression in wild type (WT) and dynamin 1 (DNM1) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with dynamin 1 antibody (KVA01792, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using dynamin 1 antibody (KVA01792). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with dynamin 1 antibody (KVA01792, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.