



## Rabbit Anti-Dynamin 3 antibody

SL11343R

<b>Product Name:</b>	Dynamin 3
<b>Chinese Name:</b>	酶动力蛋白3抗体
<b>Alias:</b>	Dynamin III; testicular; DNM 3; DNM3; DNM3 protein; Dyn3; DYN3_HUMAN; Dyna III; DynaIII; dynamin 2; Dynamin; Dynamin family member; Dynamin testicular; Dynamin-3; Dynamin3; EC 3.6.5.5; KIAA0820; MGC70433; T dynamin; T-dynamin.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	98kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Dynamin 3:261-360/869
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Dynamin III is a microtubule-associated, force-producing GTPase that can form helical structures around the neck of vesicles. GTP hydrolysis-dependent extension of the helical structure releases the vesicle. Dynamin III contains a pair of phosphorylation sites at Ser 759 and Ser 763. Both 3.0 and 7.2 kb Dynamin III transcripts are detectable in brain. The 3.0 kb Dynamin III transcript is also detectable in testis. The 7.2 kb

Dynamin III transcript is brain-specific for a protein thought to influence synaptogenesis in the CNS through recycling, neurotransmitter reuptake and growth factor-receptor signaling, in a thyroid hormone-dependent manner. A 6 kb antisense transcript (Dnm3os) contained within an intron of the mouse Dnm3 gene may be under transregulation by twist during mouse development. Dynamin III and Dnm3os transcripts overlap during embryogenesis and in adult tissues, except that Dynamin III is abundant in adult brain and testis whereas Dnm3os is abundant in embryos and gravid uterus.

**Function:**

Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes, in particular endocytosis.

**Subcellular Location:**

Cytoplasm. Cytoplasm; cytoskeleton. Microtubule-associated.

**Similarity:**

Belongs to the dynamin family.

Contains 1 GED domain.

Contains 1 PH domain.

**SWISS:**

Q9UQ16

**Gene ID:**

26052

**Database links:**

[Entrez Gene: 26052](#)Human

[Entrez Gene: 103967](#)Mouse

[Entrez Gene: 171574](#)Rat

[Omim: 611445](#)Human

[SwissProt: Q9UQ16](#)Human

[SwissProt: Q8BZ98](#)Mouse

[SwissProt: Q08877](#)Rat

[Unigene: 654775](#)Human

[Unigene: 441620](#)Mouse

[Unigene: 11191](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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