

Datasheet for ABIN453622
anti-Dynamin 3 antibody (Middle Region)

3 Images

[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	Dynamin 3 (DNM3)
Binding Specificity:	Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the Center region of Human Dynamin-3 (DNM3). Genename: DNM3
Specificity:	This antibody detects Dynamin-3 (DNM3).
Purification:	Affinity Chromatography on Protein A.

Target Details

Target:	Dynamin 3 (DNM3)
Alternative Name:	Dynamin-3 (DNM3 Products)
Background:	Dynamin 3 is a microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Dynamin 3 is most probably involved

Target Details

in vesicular trafficking processes, in particular endocytosis. The dynamins are a family of 100 kDa GTPases transcribed from at least three separate genes. At least four mRNA splice variants for each dynamin have been described. Dynamins contain several conserved regions including the conserved, amino-terminal GTPase domain, a centrally located membrane-binding plekstrin homology domain (PHD), and a coiled-coil region located in front of a proline-rich domain (PRD). The PRD is thought to mediate interactions between dynamin and numerous other cellular proteins. Dynamin 1 is expressed exclusively in neurons, Dynamin 2 is ubiquitously expressed, and Dynamin 3 is thought to be restricted to expression in the brain, testis, heart, and lung. The dynamins participate in the cellular process of clathrin-mediated and fluid-phase endocytosis. Synonyms: DNM3, KIAA0820, T-dynamin

Gene ID: 26052

NCBI Accession: [NP_001129599](#)

UniProt: [Q9UQ16](#)

Pathways: [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/100-1/500.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative.

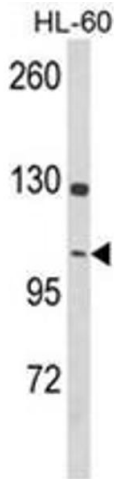
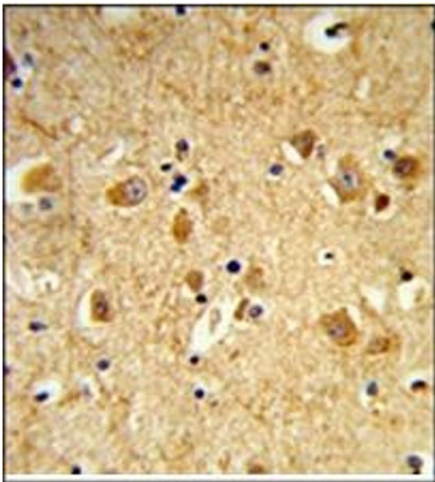
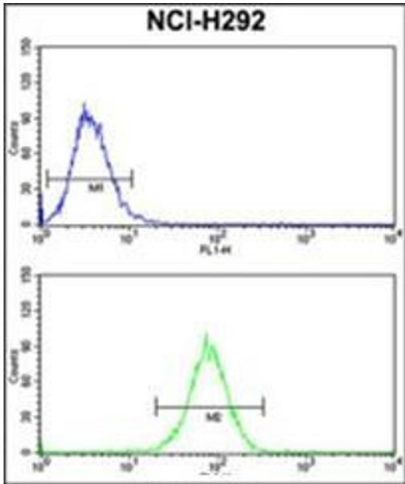
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. AP17991PU-N Dynamin-3 antibody Flow Cytometry analysis of NCI-H292 cells (Bottom Histogram) compared to a Negative Control cell (Top Histogram). FITC-conjugated Goat anti-Rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. AP17991PU-N Dynamin-3 antibody staining of Formalin-Fixed, Paraffin-Embedded Human brain using Peroxidase-conjugated to the secondary antibody, followed by DAB staining. *Clinical relevance has not been evaluated.*

Western Blotting

Image 3. Western blot analysis of Dynamin 3 Antibody (Center) in HL-60 cell line lysates (35ug/lane). Dynamin 3 (arrow) was detected using the purified Pab.