

## Product datasheet for **AP54901SU-N**

### Dynamin 3 (DNM3) (AcK604) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot.</b> <b>Immunohistochemistry.</b>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptides derived from Dynamin-3 containing Acetyl Lysine 604
Specificity:	Reacts with Human 98 kDa Dynamin-3 acK607 acetylated protein. May cross-react with protein from Mouse and Rat due to sequence homology.
Formulation:	State: Serum State: Lyophilized powder Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dynamin 3
Database Link:	<a href="#">Entrez Gene 26052 Human Q9UQ16</a>



[View online »](#)

**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 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