

Product datasheet for **AP23062PU-N**

Dynamin 3 (DNM3) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	ELISA: 1/1000. Immunohistochemistry on Paraffin Sections: 2.5 µg/ml.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from an internal region of Human Dynamin-3 (DNM3).
Specificity:	Recognizes Dynamin-3 (DNM3).
Formulation:	Tris Saline Buffer, pH 7.3 containinbg 0.5% BSA as stabilizer and 0.02% Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dynamin 3
Database Link:	Entrez Gene 26052 Human Q9UQ16



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Background:

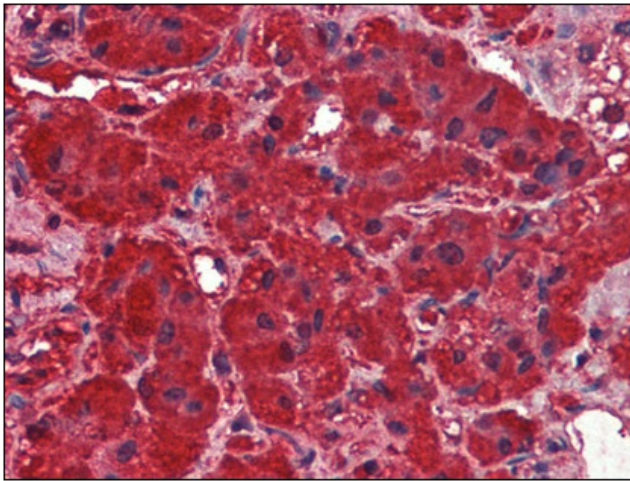
Dynamin 3 is a microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Dynamin 3 is most probably involved in vesicular trafficking processes, in particular endocytosis. The dynamins are a family of 100 kDa GTPases transcribed from 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

Protein Pathways:

Endocytosis, Fc gamma R-mediated phagocytosis

Product images:

Dynamin-3 antibody staining of Formalin-Fixed, Paraffin-Embedded Human Adrenal.