

DNAJC6 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3014a**Specification**

DNAJC6 Antibody (internal region) - Product Information

Application	E
Primary Accession	O75061
Other Accession	NP_055602.1 , 9829 , 72685 (mouse) , 313409 (rat)
Predicted Host	Human, Mouse, Rat, Pig, Dog, Cow
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	99997

DNAJC6 Antibody (internal region) - Additional Information**Gene ID** 9829**Other Names**

Putative tyrosine-protein phosphatase auxilin, 3.1.3.48, DnaJ homolog subfamily C member 6, DNAJC6, KIAA0473

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DNAJC6 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAJC6 Antibody (internal region) - Protein Information**Name** DNAJC6 ([HGNC:15469](#))**Function**

May act as a protein phosphatase and/or a lipid phosphatase. Co-chaperone that recruits HSPA8/HSC70 to clathrin-coated vesicles (CCVs) and promotes the ATP-dependent dissociation of clathrin from CCVs and participates in clathrin-mediated endocytosis of synaptic vesicles and their recycling and also in intracellular trafficking (PubMed:18489706). Firstly, binds tightly to the clathrin cages, at a ratio of one DNAJC6 per clathrin triskelion. The HSPA8:ATP

complex then binds to the clathrin-auxilin cage, initially at a ratio of one HSPA8 per triskelion leading to ATP hydrolysis stimulation and causing a conformational change in the HSPA8. This cycle is repeated three times to drive to a complex containing the clathrin-auxilin cage associated to three HSPA8:ADP complex. The ATP hydrolysis of the third HSPA8:ATP complex leads to a concerted dismantling of the cage into component triskelia. Then, dissociates from the released triskelia and be recycled to initiate another cycle of HSPA8's recruitment. Also acts during the early steps of clathrin-coated vesicle (CCV) formation through its interaction with the GTP bound form of DNM1 (By similarity).

Cellular Location

Cytoplasmic vesicle, clathrin-coated vesicle {ECO:0000250|UniProtKB:Q27974}. Note=Appears on coated vesicles in successive transient bursts, immediately after the vesicle release from the plasma membrane. Recruitment to clathrin-coated vesicles depends on temporal variations in phosphoinositide composition of clathrin-coated vesicles. {ECO:0000250|UniProtKB:Q27974}

Tissue Location

Expressed in various brain regions, including cerebellum, corpus callosum, cortex, striatum, brainstem, pons, putamen, spinal cord and substantia nigra. Very low expression in non- neural tissues such as leukocytes, liver, adipose tissue, skeletal muscle and bone marrow.

DNAJC6 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DNAJC6 Antibody (internal region) - Images**DNAJC6 Antibody (internal region) - References**

Characterization of cDNA clones in size-fractionated cDNA libraries from human brain Seki N, Ohira M, Nagase T, Ishikawa K, Miyajima N, Nakajima D, Nomura N, Ohara O DNA Res. 1997 Oct 4 (5): 345-9. PMID: 9455484