

Rabbit DNAJC6 Polyclonal Antibody | anti-DNAJC6 antibody

Anti-DNAJC6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125751	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

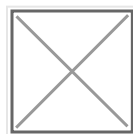
PRODUCT SYNONYMS

DNAJC6; Polyclonal Antibody; Anti-DNAJC6 Antibody; Dnajc6; Kiaa0473; Putative tyrosine-protein phosphatase auxilin; DnaJ homolog subfamily C member 6; DnaJ heat shock protein family (Hsp40) member C6; anti-DNAJC6 antibody

PRODUCT SPECIFICATIONS

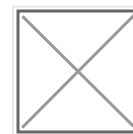
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for DNAJC6 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄ .
Applicable Applications for anti-DNAJC6 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human DNAJC6 recombinant protein (Position: R32-Y913).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of SiHa cells using anti-DNAJC6 antibody (AAA125751). Overlay histogram showing SiHa cells stained with AAA125751 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-DNAJC6 Antibody (AAA125751, 1µg/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (5-10µg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1µg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



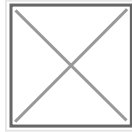
IF (Immunofluorescence)

Figure 4. IF analysis of DNAJC6 using anti-DNAJC6 antibody (AAA125751). DNAJC6 was detected in immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5µg/mL rabbit anti-DNAJC6 Antibody (AAA125751) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



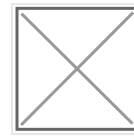
IHC (Immunohistochemisry)

Figure 3. IHC analysis of DNAJC6 using anti-DNAJC6 antibody (AAA125751).DNAJC6 was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-DNAJC6 Antibody (AAA125751) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of DNAJC6 using anti-DNAJC6 antibody (AAA125751).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: rat brain tissue lysatesLane 2: mouse brain tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-DNAJC6 antigen affinity purified polyclonal antibody (Catalog # AAA125751) at 0. 25 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG- HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for DNAJC6 at approximately 120KD. The expected band size for DNAJC6 is at 120KD.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of DNAJC6 using anti-DNAJC6 antibody (AAA125751).DNAJC6 was detected in paraffin-embedded section of human meningeoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2μg/ml rabbit anti-DNAJC6 Antibody (AAA125751) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-DNAJC6 antibody	Putative tyrosine-protein phosphatase auxilin is an enzyme that in humans is encoded by the DNAJC6 gene. DNAJC6 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus, a glycine/phenylalanine (G/F)-rich region, and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain.
References	- Edvardson, S., Cinnamon, Y., Ta-Shma, A., Shaag, A., Yim, Y. -I., Zenvirt, S., Jalas, C., Lesage, S., Brice, A., Taraboulos, A., Kaestner, K. H., Greene, L. E., Elpeleg, O. A deleterious mutation in DNAJC6 encoding the neuronal-specific clathrin-uncoating co-chaperone auxilin, is associated with juvenile parkinsonism. PLoS One 7: e36458, 2012. Note: Electronic Article. - Elsayed, L. E. O., Drouet, V., Usenko, T., Mohammed, I. N., Hamed, A. A. A., Elseed, M. A., Salih, M. A. M., Koko, M. E., Mohamed, A. Y. O., Siddig, R. A., Elbashir, M. I., Ibrahim, M. E., Durr, A., Stevanin, G., Lesage, S., Ahmed, A. E., Brice, A. A novel nonsense mutation in DNAJC6 expands the phenotype of autosomal-recessive juvenile-onset Parkinson's disease. (Letter) Ann. Neurol. 79: 335-338, 2016. - Fotin, A., Cheng, Y., Grigorieff, N., Walz, T., Harrison, S. C., Kirchhausen, T. Structure of an auxilin-bound clathrin coat and its implications for the mechanism of uncoating. Nature 432: 649-653, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	379030615
NCBI GeneID	9829
NCBI Accession #	NP_001243793.1
NCBI GenBank Nucleotide #	NM_001256864.1
UniProt Accession #	O75061 ; Q32M66 ; Q4G0K1 ; Q5T614 ; Q5T615 ; B7Z3V8 ; D3DQ65 ; D3DQ66
Molecular Weight	99,997 Da

NCBI Official Full Name	putative tyrosine-protein phosphatase auxilin isoform 1
NCBI Official Synonym Full Names	DnaJ (Hsp40) homolog, subfamily C, member 6
NCBI Official Symbol	DNAJC6
NCBI Official Synonym Symbols	DJC6; PARK19
NCBI Protein Information	putative tyrosine-protein phosphatase auxilin; DnaJ (Hsp40) homolog, subfamily B, member 6
UniProt Protein Name	Putative tyrosine-protein phosphatase auxilin
UniProt Gene Name	DNAJC6
UniProt Synonym Gene Names	KIAA0473
UniProt Entry Name	AUXI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/dnajc6-antibody-direct-elisa-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/125751>