abcam

ab240346

Anti-DNAJB6 antibody [EPR17122] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR17122
Purification technique	Affinity purification Protein A
Concentration	1.054 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	-

Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

WB

Expected

Species	Mouse, Rat, Human
Dilution info	Use at an assay dependent concentration.
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-

Notes	ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information DNAJB6

Function	Has a stimulatory effect on the ATPase activity of HSP70 in a dose-dependent and time-dependent manner and hence acts as a co-chaperone of HSP70 (PubMed:10954706, PubMed:28233300). Plays an indispensable role in the organization of KRT8/KRT18 filaments (PubMed:10954706). Acts as an endogenous molecular chaperone for neuronal proteins including huntingtin (PubMed:11896048, PubMed:22366786). Suppresses aggregation and toxicity of polyglutamine-containing, aggregation-prone proteins (PubMed:20159555, PubMed:22366786). Also reduces cellular toxicity and caspase-3 activity (PubMed:11896048). Isoform B. Isoform B but not isoform A inhibits huntingtin aggregation.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab240346 is the carrier-free version of ab198995.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

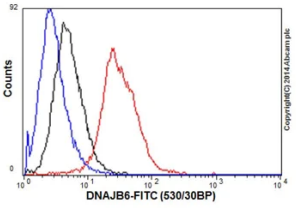
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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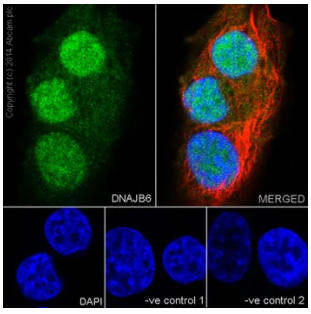
5 product images



Flow Cytometry (Intracellular) - Anti-DNAJB6 antibody [EPR17122] - BSA and Azide free (ab240346)

DNAJB6 Flow Cytometry (Intracellular) staining using rabbit Anti-DNAJB6 antibody

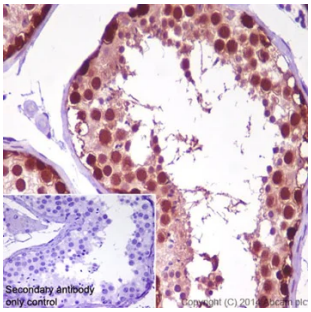
Intracellular Flow Cytometry analysis of DNAJB6 expression in 2% paraformaldehyde-fixed Jurkat (Human acute T cell leukemia) cells cells using ab198995 at 1/500 dilution (red), a Rabbit monoclonal IgG (ab172730) IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). A FITC-conjugated goat anti-rabbit IgG (1/150) was used as the secondary antibody.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab198995).



Immunocytochemistry/ Immunofluorescence - Anti-DNAJB6 antibody [EPR17122] - BSA and Azide free (ab240346)

DNAJB6 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-DNAJB6 antibody

Immunocytochemistry/ Immunofluorescence analysis of SH-SY5Y cell line labeling DNAJB6 with ab198995 at a 1/250 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized using 0.1% Triton X-100. ab150077 AlexaFluor®488 Goat anti-Rabbit was used as the secondary at a 1/500 dilution. Counterstained using ab7291 anti-Tubulin (mouse mAb) at a 1/1000 dilution with ab150120 AlexaFluor®594 Goat anti-Mouse secondary at a 1/500 dilution.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab198995).

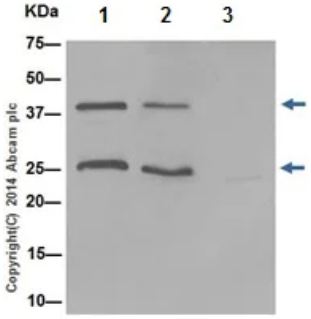


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNAJB6 antibody [EPR17122] - BSA and Azide free (ab240346)

DNAJB6 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-DNAJB6 antibody

Immunohistochemical analysis of paraffin-embedded human testis tissue sections labeling DNAJB6 with ab198995 at a 1/250 dilution. Goat anti-rabbit IgG H&L (HRP) ab97051 used as the secondary at a 1/500 dilution. Counterstain hematoxylin.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab198995).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-DNAJB6 antibody [EPR17122] - BSA and Azide free (ab240346)

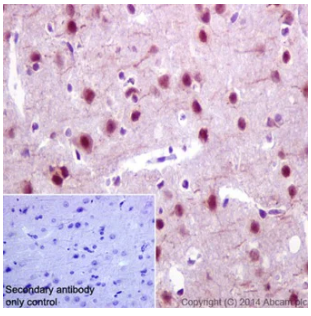
DNAJB6 was immunoprecipitated from Jurkat (Human acute T cell leukemia) whole cell extract with ab198995 at 1/150 dilution. Western blot was performed from the immunoprecipitate using ab198995 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.
Lane 1: Jurkat (Human acute T cell leukemia) whole cell extract (Input) 10 µg.
Lane 2: ab198995 IP in Jurkat (Human acute T cell leukemia) whole cell extract.
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab198995 in Jurkat (Human acute T cell leukemia) whole cell extract.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab198995).

All lanes:
Immunoprecipitation - Anti-DNAJB6 antibody [EPR17122] - N-terminal (ab198995)

Predicted band size: 36 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNAJB6 antibody [EPR17122] - BSA and Azide free (ab240346)

DNAJB6 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-DNAJB6 antibody

Immunohistochemical analysis of paraffin-embedded rat cerebral cortex tissue sections labeling DNAJB6 with ab198995 at a 1/250 dilution. Goat anti-rabbit IgG H&L (HRP) ab97051 used as the secondary at a 1/500 dilution. Counterstain hematoxylin.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab198995).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.