abcam

Product datasheet

Anti-DNAJC9 antibody [EPR9856] ab166612

Recombinant RabMAb

6 Images

Overview

Product name	Anti-DNAJC9 antibody [EPR9856]
Description	Rabbit monoclonal [EPR9856] to DNAJC9
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, IP **Unsuitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HepG2, U87-MG, Raji, SH-SY5Y, 293T, and Jurkat cell lysates, Human ovarian carcinoma and Human tonsil tissues WB: Wild-type HEK-293T cell lysate, PC-3 cell lysate, HepG2 cell lysate
General notes	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 production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR9856
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab166612 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

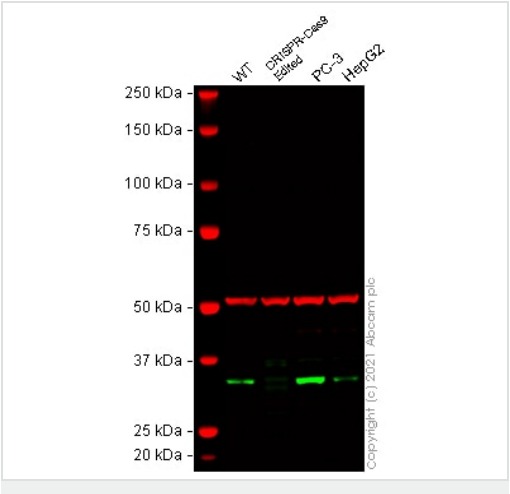
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		1/10 - 1/100.

Application notes Is unsuitable for Flow Cyt.

Target

Sequence similarities Contains 1 J domain.

Images



Western blot - Anti-DNAJC9 antibody [EPR9856] (ab166612)

All lanes : Anti-DNAJC9 antibody [EPR9856] (ab166612) at 1/1000 dilution

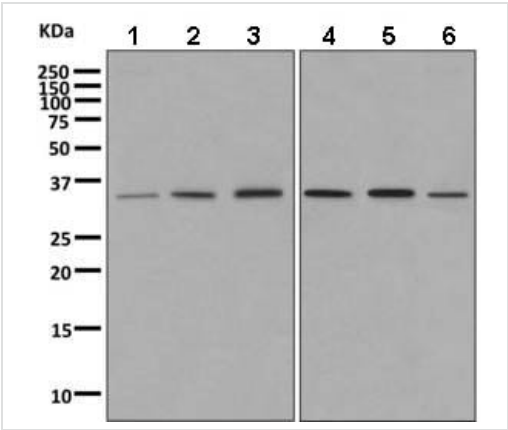
Lane 1 : Wild-type HEK-293T cell lysate
Lane 2 : DNAJC9 CRISPR-Cas9 edited HEK-293T cell lysate
Lane 3 : PC-3 cell lysate
Lane 4 : HepG2 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 30 kDa
Observed band size: 35 kDa

False colour image of Western blot: Anti-DNAJC9 antibody [EPR9856] staining at 1/1000 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] (**ab7291**) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab166612 was shown to bind specifically to DNAJC9. A band was observed at 35 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in DNAJC9 CRISPR-Cas9 edited cell line **ab266364** (CRISPR-Cas9 edited cell lysate **ab257926**). The band observed in the CRISPR-Cas9 edited lysate lane below 35 kDa is likely to represent a truncated form of DNAJC9. This has not been investigated further and the functional properties of the gene product have not been determined. To generate this image, wild-type and DNAJC9 CRISPR-Cas9 edited HEK-293T cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) at 1/20000 dilution.



Western blot - Anti-DNAJC9 antibody [EPR9856] (ab166612)

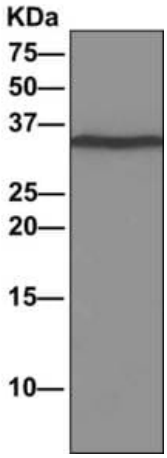
All lanes : Anti-DNAJC9 antibody [EPR9856] (ab166612) at 1/1000 dilution

Lane 1 : HepG2 cell lysate
Lane 2 : U87-MG cell lysate
Lane 3 : Raji cell lysate
Lane 4 : SH-SY5Y cell lysate
Lane 5 : 293T cell lysate
Lane 6 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

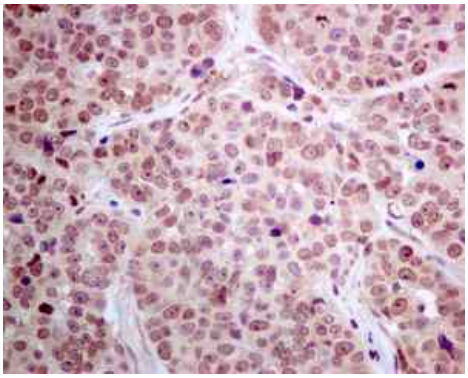
Secondary
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 30 kDa
Observed band size: 30 kDa



Immunoprecipitation - Anti-DNAJC9 antibody [EPR9856] (ab166612)

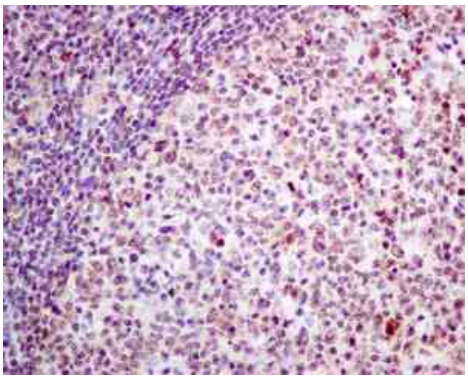
Immunoprecipitation. ab166612 at 1/1000 staining DNAJC9 in 293T cell lysate immunoprecipitated using ab166612 at 1/10. Predicted band size : 30 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNAJC9 antibody [EPR9856] (ab166612)

Immunohistochemical analysis of paraffin embedded Human ovarian carcinoma tissue labeling DNAJC9 with ab166612 antibody at 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNAJC9 antibody [EPR9856] (ab166612)

Immunohistochemical analysis of paraffin embedded Human tonsil tissue labeling DNAJC9 with ab166612 antibody at 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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