abcam

Product datasheet

Anti-DNAJC3 antibody [EP597Y] ab52899

Recombinant RabMAb

1 References 2 Images

Overview

Product name	Anti-DNAJC3 antibody [EP597Y]
Description	Rabbit monoclonal [EP597Y] to DNAJC3
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** Flow Cyt,ICC/IF or IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide within Human DNAJC3 aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	HeLa 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**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

Clonality	Monoclonal
Clone number	EP597Y
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab52899 in the following tested applications.

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

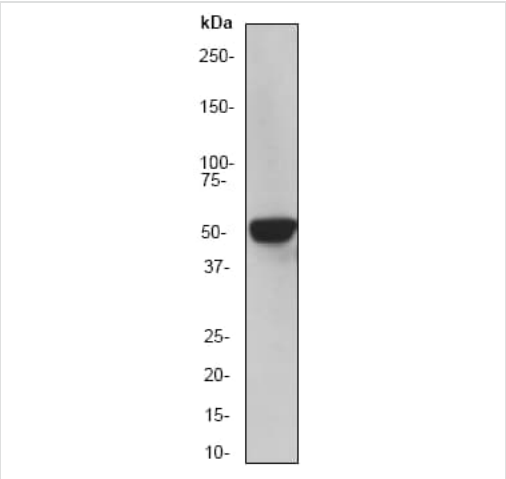
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 53 kDa (predicted molecular weight: 58 kDa).

Application notes Is unsuitable for Flow Cyt,ICC/IF or IHC-P.

Target

Function	Involved in the unfolded protein response (UPR) during ER stress. Co-chaperone of HSPA8/HSC70, it stimulates its ATPase activity. May inhibit both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2 to catalyze phosphorylation of the EIF2A. May inhibit EIF2AK3/PERK activity.
Tissue specificity	Widely expressed with high level in the pancreas and testis. Also expressed in cell lines with different levels.
Sequence similarities	Contains 1 J domain. Contains 9 TPR repeats.
Domain	The J domain mediates interaction with HSPA8.
Cellular localization	Endoplasmic reticulum.

Images



Western blot - Anti-DNAJC3 antibody [EP597Y] (ab52899)

Anti-DNAJC3 antibody [EP597Y] (ab52899) at 1/1000 dilution + HeLa cell lysate at 10 µg

Secondary

goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 58 kDa

Observed band size: 53 kDa

Anti-DNAJC3 antibody [EP597Y] (ab52899)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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