Datasheet for ABIN6658300

anti-YDJ1 antibody

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	YDJ1
Reactivity:	Saccharomyces cerevisiae
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This YDJ1 antibody is un-conjugated
Application:	Immunoprecipitation (IP), Western Blotting (WB), ELISA

Product Details

Immunogen:	Immunogen: Hsp40 (YDJ1) Antibody was produced in mice by repeated immunizations raised against full length protein yeast Hsp40 (YDJ1). Immunogen Type: Recombinant Protein
Clone:	1G10-H8
Isotype:	IgG1
Purification:	Anti-Hsp40, YDJ1 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Hsp40 from yeast based on 100% homology with the immunizing sequence. Cross-reactivity with Hsp40 from other sources has not been determined. Heat Shock research.

Target Details

Target:	YDJ1

Target Details

Alternative Name:	Hsp40 (YDJ1) (YDJ1 Products)
Background:	Synonyms: Mitochondrial protein import protein MAS5, Yeast dnaJ protein 1, YDJ1, MAS5, YNL064C, N2418, YNL2418C Background: Human Hsp40/DnaJ proteins comprise a large protein family, members of which feature the J domain (named after the bacterial DnaJ protein). The J-domain spans the first 75 N-terminal amino acids and is separated from the C-terminal by a glycine/phenylalanine-rich domain. There are two main types of Hsp40, type 1 DNAJ proteins including HDJ2 and yeast YdjI, type II includes yeast Sis1 and human Hdj1. Whereas type I possesses a zinc finger domain which helps in the function of protein folding, type II does not. Members of the Hsp40/DnaJ family play diverse roles in many cellular processes, such as folding, translocation, degradation and assembly of multi-protein complexes. Hsp40 stimulates the ATPase activity of Hsp70 which in turn causes conformational changes of the unfolded proteins. The Hsp40-Hsp70-unfolded protein complex further binds to co-chaperones Hip, Hop and HSP90 which leads to protein folding, or components of protein degradation machinery CHIP and BAG-1. Gene Name: YDJ1
Gene ID:	855661
NCBI Accession:	NP_014335
UniProt:	P25491

Application Details

Application Notes:	Application Note: Anti-Hsp40 Antibody is recommended for use in WB, IP, and ELISA. Expect a band approximately ~40 kDa protein corresponding to the molecular mass of Hsp40 on SDS PAGE immunoblots. Specific conditions for reactivity should be optimized by the end user. Immunoprecipitation Dilution: User Optimized ELISA Dilution: 1:200 Western Blot Dilution: 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	50 % (v/v) Glycerol0.09 % (w/v) Sodium Azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Images

Western Blotting

Image 1. Hsp40 YDJ1 Western Blot. Western Blot of mouse anti-Hsp40 YDJ1 antibody. Lane 1: human cell line mix. Lane 2: none. Load: 10 µg per lane. Primary antibody: Hsp40 YDJ1 antibody at 1:1000 for overnight at 4°C. Secondary antibody: mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 44.7 kDa/~45 kDa for Hsp40 YDJ1. Other band(s): none.