

## Anti-DNAJA1 Rabbit Monoclonal Antibody Catalog # ABO15887

### Specification

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#### Anti-DNAJA1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IP, FC
Primary Accession	<a href="#">P31689</a>
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-DNAJA1 Rabbit Monoclonal Antibody . Tested in WB, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

#### Anti-DNAJA1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 3301

#### Other Names

Dnaj homolog subfamily A member 1, Dnaj protein homolog 2, HSDJ, Heat shock 40 kDa protein 4, Heat shock protein J2, HSJ-2, Human Dnaj protein 2, hDj-2, DNAJA1, DNAJ2, HDJ2, HSJ2, HSPF4

#### Calculated MW

45 kDa KDa

#### Application Details

WB 1:1000-1:5000<br>IP 1:50<br>FC 1:50

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human DNAJA1

#### Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

#### Anti-DNAJA1 Rabbit Monoclonal Antibody - Protein Information

Name DNAJA1

**Synonyms** DNAJ2, HDJ2, HSJ2, HSPF4

### Function

Co-chaperone for HSPA8/Hsc70 (PubMed:<a href="http://www.uniprot.org/citations/10816573" target="\_blank">10816573</a>). Stimulates ATP hydrolysis, but not the folding of unfolded proteins mediated by HSPA1A (in vitro) (PubMed:<a href="http://www.uniprot.org/citations/24318877" target="\_blank">24318877</a>). Plays a role in protein transport into mitochondria via its role as co-chaperone. Functions as a co-chaperone for HSPA1B and negatively regulates the translocation of BAX from the cytosol to mitochondria in response to cellular stress, thereby protecting cells against apoptosis (PubMed:<a href="http://www.uniprot.org/citations/14752510" target="\_blank">14752510</a>). Promotes apoptosis in response to cellular stress mediated by exposure to anisomycin or UV (PubMed:<a href="http://www.uniprot.org/citations/24512202" target="\_blank">24512202</a>).

### Cellular Location

Membrane; Lipid- anchor. Cytoplasm. Microsome. Nucleus. Cytoplasm, perinuclear region. Mitochondrion Note=Primarily associated with microsomes. A minor proportion is associated with mitochondria (By similarity). Primarily cytoplasmic. A minor proportion is associated with nuclei.

### Tissue Location

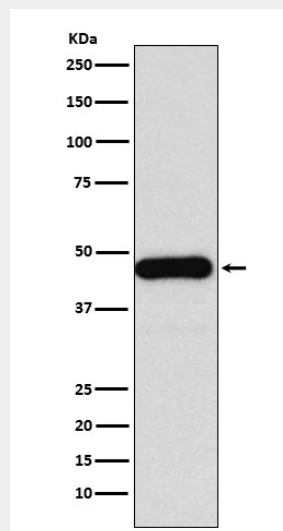
Ubiquitous. Isoform 2 is highly expressed in testis and lung, but detected at low levels in thymus, prostate, colon and liver.

## Anti-DNAJA1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-DNAJA1 Rabbit Monoclonal Antibody - Images



Western blot analysis of DNAJA1 expression in Jurkat cell lysate.