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DNAJA1 Antibody

Rabbit mAb
Catalog # AP92468

Product Information

Application	WB, FC, IP
Primary Accession	P31689
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	DJ2; DjA1; DNAJ2; Dnaja1; HDJ2; HSDJ; HSJ2; HSPF4; NEDD7;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	44868

Additional Information

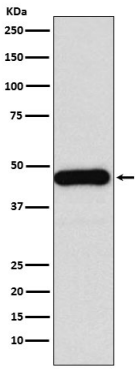
Dilution	WB 1:1000~1:5000 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human DNAJA1
Description	Co-chaperone of Hsc70. Seems to play a role in protein import into mitochondria.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	DNAJA1
Synonyms	DNAJ2, HDJ2, HSJ2, HSPF4
Function	Co-chaperone for HSPA8/Hsc70 (PubMed: 10816573). Stimulates ATP hydrolysis, but not the folding of unfolded proteins mediated by HSPA1A (in vitro) (PubMed:24318877). 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:14752510). Promotes apoptosis in response to cellular stress mediated by exposure to anisomycin or UV (PubMed:24512202).
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.

Images



Western blot analysis of DNAJA1 expression in Jurkat cell lysate.