

DNAJA1 Recombinant Mouse mAb

Catalog # AP96452

Product Information

Application	WB
Predicted	Rat, Human, Mouse
Host	Mouse
Clonality	Recombinant
Physical State	Liquid
Isotype	IgM/Kappa
Purity	affinity purified by Protein G

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SIMILARITY Contains 1 CR-type zinc finger. Contains 1 J domain.

Important Note This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions DnaJ-like proteins interact with HSP 70 molecular chaperones and function to facilitate protein folding and mitochondrial protein import. HSP 40-4, also known as HDJ2, is the human DnaJ homolog that functions as a co-chaperone with a cysteine-rich zinc finger domain. The cellular redox enzyme thioredoxin interacts with HSP 40-4, and oxidation and reduction reversibly regulate HSP 40-4 function in response to the changing redox states of the cell. The zinc finger domain of HSP 40-4 may act as a redox sensor of chaperone-mediated protein-folding machinery, since HSP 40-4 inactivation leads to the oxidation of cysteine thiols and a simultaneous release of coordinated zinc. Loss of the HSP 40-4 protein may be linked to severe defects in spermatogenesis that involve aberrant androgen signaling.

Additional Information

Other Names DJ-2; DjA1; HDJ2; HSDJ; HSJ-2; HSJ2; HSPF4; NEDD7; hDJ-2; DNJA1_HUMAN; DNAJA1; DnaJ protein homolog 2; Heat shock 40 kDa protein 4; Heat shock protein J2 (HSJ-2); Human DnaJ protein 2 (hDj-2); DNAJ2; DNJA1_MOUSE; DNJA1_RAT; DnaJ-like protein 1; Rdj1; DnaJ heat shock protein family (Hsp40) member A1; DnaJ (Hsp40) homolog, subfamily A, member 1; neural precursor cell expressed, developmentally down-regulated 7

Dilution WB=1:500-1000, ICC/IF=1:100-500

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Function Co-chaperone of Hsc70. Seems to play a role in protein import into mitochondria.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.