

## HSP 40-4 HDJ2 DNAJA1 Antibody HRP Conjugated

Catalog No: #C01075H

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## Description

Product Name	HSP 40-4 HDJ2 DNAJA1 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB,,IHC-P,IHC-F,ICC
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human HSP 40-4
Conjugates	HRP
Target Name	HSP 40-4 HDJ2 DNAJA1
Other Names	DJ 2; DJ2; DjA1; DnaJ Hsp40 homolog, subfamily A, member 1; DnaJ homolog subfamily A member 1; DnaJ protein homolog 2; DNAJ2; Dnaja1; DNJA1_HUMAN; hDJ 2; HDJ-2; HDJ2; Heat shock 40 kDa protein 4; heat shock protein DNAJ like 2; Heat shock protein J2; HSDJ; HSJ-2; HSJ2; HSPF4; Human DnaJ protein 2; N
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

## Background

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.

Note: This product is for in vitro research use only