SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-DNAJA1/AF647 Conjugated antibody

Catalog Number: SL11277R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-DNAJA1/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human HSP 40-4 (21-110aa)
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Pig,Cow,Rabbit,Sheep)
Background:	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. **Function:** Co-chaperone of Hsc70. Seems to play a role in protein import into mitochondria. **Subcellular Location:** Membrane. **Similarity:** Contains 1 CR-type zinc finger.

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

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	Contains 1 J domain. **Database links:** **Entrez Gene:** 3301 Human **Entrez Gene:** 15502 Mouse **Entrez Gene:** 100512008 Pig **Entrez Gene:** 65028 Rat Omim: 602837 Human **SwissProt:** P31689 Human **SwissProt:** P63037 Mouse **SwissProt:** P63036 Rat **Unigene:** 445203 Human **Unigene:** 27897 Mouse **Unigene:** 64562 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.