

DNAJA2 Rabbit pAb

Catalog # AP97303

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O60884
Other Accession	O60884
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Monkey, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45746
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DNAJA2
Epitope Specificity	151-250/412
Isotype	IgG
Purity	affinity purified by Protein A
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	The DnaJ family is one of the largest of all the chaperone families and has evolved with diverse cellular localization and functions. The presence of the J domain defines a protein as a member of the DnaJ family. DnaJ heat shock induced proteins are from the bacterium Escherichia coli and are under the control of the htpR regulatory protein. The DnaJ proteins play a critical role in the HSP 70 chaperone machine by interacting with HSP 70 to stimulate ATP hydrolysis. The proteins contain cysteine rich regions that are composed of zinc fingers that form a peptide binding domain responsible for the chaperone function. DnaJ proteins are important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis. DnaJA2 (DnaJ homolog subfamily A member 2), also known as HIRA-interacting protein 4 or cell cycle progression restoration gene 3 protein, contains one CR-type zinc finger and is a co-chaperone of HSC 70.

Additional Information

Gene ID	10294
Other Names	CPR3; DJ3; DJA2; DNAJ; DNJ3; HIRIP4; PRO3015; RDJ2; 1500017M13Rik; 2010206B19Rik; Dnaj3; mDj3; DNJA2_HUMAN; DNAJA2; Cell cycle progression restoration gene 3 protein; Dnj3 (Dj3); HIRA-interacting protein 4; Renal carcinoma antigen NY-REN-14; DNJA2_MOUSE; DNJA2_RAT; DnaJ heat shock protein family (Hsp40) member A2; DnaJ (Hsp40) homolog, subfamily A, member 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500

0-10000

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.

Protein Information

Name	DNAJA2
Synonyms	CPR3, HIRIP4
Function	Co-chaperone of Hsc70. Stimulates ATP hydrolysis and the folding of unfolded proteins mediated by HSPA1A/B (in vitro) (PubMed: 24318877).
Cellular Location	Membrane; Lipid-anchor

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