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DNAJA2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17115a

Product Information

Application	WB, E
Primary Accession	O60884
Other Accession	O35824, Q9QYJ0, Q2HJ94, NP_005871.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37098
Calculated MW	45746
Antigen Region	44-72

Additional Information

Gene ID	10294
Other Names	DnaJ homolog subfamily A member 2, Cell cycle progression restoration gene 3 protein, Dnj3, Dj3, HIRA-interacting protein 4, Renal carcinoma antigen NY-REN-14, DNAJA2, CPR3, HIRIP4
Target/Specificity	This DNAJA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44-72 amino acids from the N-terminal region of human DNAJA2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DNAJA2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

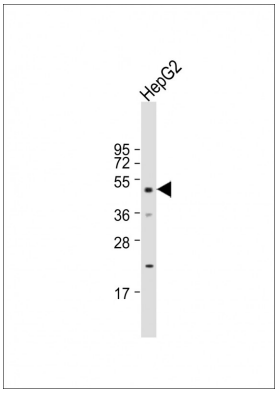
Background

The protein encoded by this gene belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine (G/F)-rich region; and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain. The product of this gene works as a cochaperone of Hsp70s in protein folding and mitochondrial protein import in vitro.

References

Walker, V.E., et al. J. Biol. Chem. 285(5):3319-3329(2010)
Rosales-Hernandez, A., et al. Cell Stress Chaperones 14(1):71-82(2009)
Tzankov, S., et al. J. Biol. Chem. 283(40):27100-27109(2008)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)

Images



Anti-DNAJA2 Antibody (N-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 46 kDa Blocking/Dilution buffer: 5% NFDM/TBST.