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DNAJA2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant DNAJA2.
Catalog # AT1787a

Product Information

Application	WB, IF, E
Primary Accession	O60884
Other Accession	BC013044
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2A11-F2
Calculated MW	45746

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	DNAJA2 (AAH13044, 1 a.a. ~ 412 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	DNAJA2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

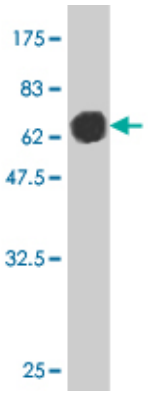
Background

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.

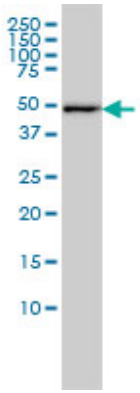
References

1.Cell line specific modulation of extracellular a?](42) by hsp40.Carnini A, Scott LO, Ahrendt E, Proft J, Winkfein RJ, Kim SW, Colicos MA, Braun JE.PLoS One. 2012;7(5):e37755. Epub 2012 May 29.2.Quercetin targets cysteine string protein (CSPalpha) and impairs synaptic transmission.Xu F, Proft J, Gibbs S, Winkfein B, Johnson JN, Syed N, Braun JE.PLoS One. 2010 Jun 10;5(6):e11045.3.RDJ2 (DNAJA2) chaperones neural G protein signaling pathways.Rosales-Hernandez A, Beck KE, Zhao X, Braun AP, Braun JE.Cell Stress Chaperones. 2009 Jan;14(1):71-82. Epub 2008 Jul 2.

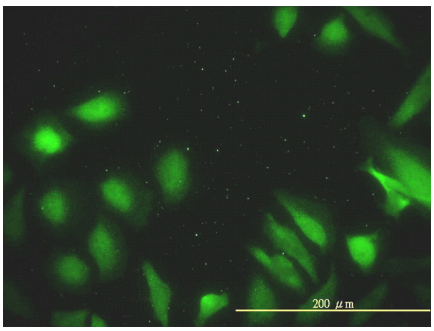
Images



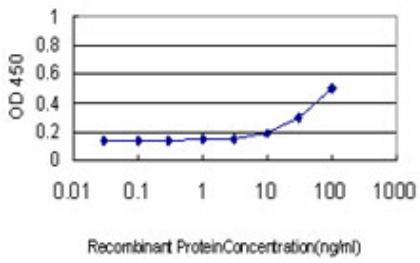
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (71.06 KDa) .



DNAJA2 monoclonal antibody (M01), clone 2A11-F2 Western Blot analysis of DNAJA2 expression in A-431 ((Cat # AT1787a)



Immunofluorescence of monoclonal antibody to DNAJA2 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged DNAJA2 is approximately 3ng/ml as a capture antibody.

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