

Rabbit DNAJA1 Polyclonal Antibody | anti-DNAJA1 antibody

DNAJA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327738	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

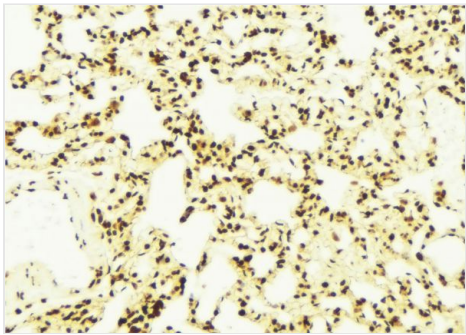
PRODUCT SYNONYMS

DNAJA1; Polyclonal Antibody; DNAJA1 Antibody; 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; NEDD7; Neural precursor cell expressed developmentally down regulated 7; OTTHUMP00000021193; anti-DNAJA1 antibody

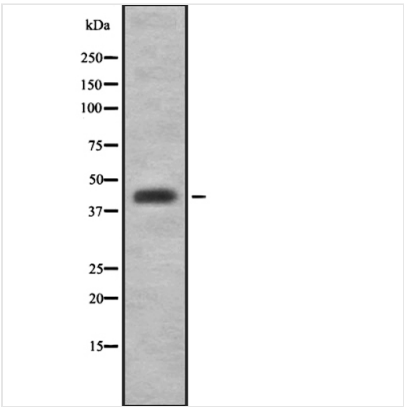
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DNAJA1 antibody detects endogenous levels of total DNAJA1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	397
Applicable Applications for anti-DNAJA1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DNAJA1
Subcellular Location	Membrane.
Tissue Specificity	Ubiquitous. Isoform 2 is highly expressed in testis and lung, but detected at low levels in thymus, prostate, colon and liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327738 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of DNAJA1 using 293 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-DNAJA1 antibody	Function: Co-chaperone for HSPA8/Hsc70 (PubMed:10816573). Stimulates ATP hydrolysis, but not the folding of unfolded proteins mediated by HSPA1A (in vitro) (PubMed:24318877). Plays a role in protein transport into mitochondria via its role as co-chaperone. Functions as co-chaperone for HSPA1B and negatively regulates the translocation of BAX from the cytosol to mitochondria in response to cellular stress, thereby protecting cells against apoptosis (PubMed:14752510). Promotes apoptosis in response to cellular stress mediated by exposure to anisomycin or UV (PubMed:24512202). Subunit Structure: Identified in a complex with HSPA1B and BAX (PubMed:14752510). Interacts with RNF207 (PubMed:25281747).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504511
NCBI GeneID	3301
NCBI Accession #	NP_001530.1
NCBI GenBank Nucleotide #	NM_001539.3
UniProt Accession #	P31689; Q5T7Q0; Q86TL9
Molecular Weight	Observed: 44 kDa Predicted: 45 kDa
NCBI Official Full Name	dnaJ homolog subfamily A member 1 isoform 1
NCBI Official Synonym Full Names	DnaJ heat shock protein family (Hsp40) member A1
NCBI Official Symbol	DNAJA1
NCBI Official Synonym Symbols	DJ-2; DjA1; HDJ2; HSDJ; HSJ2; HSJ-2; HSPF4; NEDD7; hDJ-2
NCBI Protein Information	dnaJ homolog subfamily A member 1
UniProt Protein Name	DnaJ homolog subfamily A member 1
UniProt Gene Name	DNAJA1
UniProt Synonym Gene Names	DNAJ2; HDJ2; HSJ2; HSPF4; HSJ-2; hDj-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.