

Rabbit DNAJB14 Polyclonal Antibody | anti-DNAJB14 antibody

DNAJB14 Antibody

CATALOG # AAA323022	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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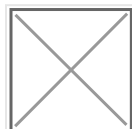
PRODUCT SYNONYMS

DNAJB14; Polyclonal Antibody; DNAJB14 Antibody; 5730496F10Rik; DJB14_HUMAN; DnaJ (Hsp40) homolog; subfamily B; member 14; DnaJ homolog subfamily B member 14; dnajb14; EGNR9427; FLJ14281; MGC22187; PRO34683; UNQ9427/PRO34683; anti-DNAJB14 antibody

PRODUCT SPECIFICATIONS

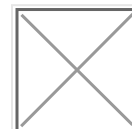
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DNAJB14 antibody detects endogenous levels of DNAJB14.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	379
Applicable Applications for anti-DNAJB14 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DNAJB14.
Subcellular Location	Endoplasmic Reticulum; Nucleus
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of human testis tissue, using DNAJB14 antibody.



IHC (Immunohistochemistry)

AAA323022 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.

ADDITIONAL INFORMATION

Related Product Information for anti-DNAJB14 antibody	Function: Acts as a co-chaperone with HSPA8/Hsc70; required to promote protein folding and trafficking, prevent aggregation of client proteins, and promote unfolded proteins to endoplasmic reticulum-associated degradation (ERAD) pathway (PubMed:24732912). Acts by determining HSPA8/Hsc70's ATPase and polypeptide-binding activities (PubMed:24732912). Can also act independently of HSPA8/Hsc70: together with DNAJB12, acts as a chaperone that promotes maturation of potassium channels KCND2 and KCNH2 by stabilizing nascent channel subunits and assembling them into tetramers (PubMed:27916661). While stabilization of nascent channel proteins is dependent on HSPA8/Hsc70, the process of oligomerization of channel subunits is independent of HSPA8/Hsc70 (PubMed:27916661). When overexpressed, forms membranous structures together with DNAJB12 and HSPA8/Hsc70 within the nucleus; the role of these structures, named DJANGOs, is still unclear (PubMed:24732912). Subunit Structure: Interacts (via J domain) with HSPA8/Hsc70 (PubMed:23018488, PubMed:24732912, PubMed:27916661). Forms a multiprotein complex, at least composed of DNAJB12, DNAJB14, HSPA8/Hsc70 and SGTA; interaction with DNAJB14 and HSPA8/Hsc70 is direct (PubMed:24675744). Similarity: Belongs to the DnaJ family. DNAJB12/DNAJB14 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	72534740
NCBI GeneID	79982
NCBI Accession #	NP_001026893.1
NCBI GenBank Nucleotide #	NM_001031723.3
UniProt Accession #	Q8TBM8; Q6UXN1; Q7Z3P0; Q86TA7; Q86TM0; Q9GZU9
Molecular Weight	Observed: 43 kDa Predicted: 43 kDa
NCBI Official Full Name	dnaJ homolog subfamily B member 14 isoform 1
NCBI Official Synonym Full Names	DnaJ heat shock protein family (Hsp40) member B14
NCBI Official Symbol	DNAJB14
NCBI Official Synonym Symbols	EGNR9427; PRO34683
NCBI Protein Information	dnaJ homolog subfamily B member 14
UniProt Protein Name	DnaJ homolog subfamily B member 14
UniProt Gene Name	DNAJB14

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dnajb14-antibody-immunohistochemistry-western-blot-elisa/323022>