

Rabbit DNAJB11 Polyclonal Antibody | anti-DNAJB11 antibody

DNAJB11 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324682	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DNAJB11; Polyclonal Antibody; DNAJB11 Antibody; ABBP-2; ABBP2; APOBEC1 binding protein 2; APOBEC1-binding protein 2; DJ9; DJB11_HUMAN; DnaJ (Hsp40) homolog subfamily B member 11; DnaJ homolog subfamily B member 11; DnaJ protein homolog 9; EDJ; ER associated DNAJ; ER associated dnaJ protein 3; ER associated Hsp40 co chaperone; ER-associated DNAJ; ER-associated dnaJ protein 3; ER-associated Hsp40 co-chaperone; ERdj3; ERJ3; ERj3p; hDj-9; hDj9; HEDJ; Human DnaJ protein 9; PWP1 interacting protein 4; PWP1-interacting protein 4; anti-DNAJB11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DNAJB11 antibody detects endogenous levels of total DNAJB11
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	358
Applicable Applications for anti-DNAJB11 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Lumen. Associated with the ER membrane in a C-terminally epitope-tagged construct.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (91%), Zebrafish (82%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (91%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324682 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using DNAJB11 antibody.



IHC (Immunohistochemistry)

AAA324682 at 1/100 staining Mouse testis 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-DNAJB11 antibody

Function: Serves as a co-chaperone for HSPA5. Binds directly to both unfolded proteins that are substrates for ERAD and nascent unfolded peptide chains, but dissociates from the HSPA5-unfolded protein complex before folding is completed. May help recruiting HSPA5 and other chaperones to the substrate. Stimulates HSPA5 ATPase activity.

Subunit Structure: Part of a large chaperone multiprotein complex comprising DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PDIA6, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX. Binds to denatured substrates in an ATP-independent manner. Interacts via the J domain with HSPA5 in an ATP-dependent manner.

Post-translational Modifications: Contains high-mannose Endo H-sensitive carbohydrates. Cys-169, Cys-171, Cys-193 and Cys-196 form intramolecular disulfide bonds. The preferential partner for each Cys is not known. Thr-188 was reported to be phosphorylated upon DNA damage by ATM or ATR; however as this position has been shown to be in the ER lumen, the in vivo relevance is not proven.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706495
NCBI GeneID	51726
NCBI Accession #	NP_057390.1
NCBI GenBank Nucleotide #	NM_016306.5
UniProt Accession #	Q9UBS4; Q542Y5; Q542Y9; Q6IAQ8; Q96JC6
Molecular Weight	Observed: 40 kD Predicted: 41 kDa
NCBI Official Full Name	dnaJ homolog subfamily B member 11
NCBI Official Synonym Full Names	DnaJ heat shock protein family (Hsp40) member B11
NCBI Official Symbol	DNAJB11
NCBI Official Synonym Symbols	DJ9; EDJ; Dj-9; ERj3; PKD6; ABBP2; ERdj3; ERj3p; ABBP-2; UNQ537; PRO1080
NCBI Protein Information	dnaJ homolog subfamily B member 11
UniProt Protein Name	DnaJ homolog subfamily B member 11

UniProt Gene Name	DNAJB11
UniProt Synonym Gene Names	EDJ; ERJ3; HDJ9; ABBP-2; ER-resident protein ERdj3; ERdj3; ERj3p; hDj-9

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/dnajb11-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324682>