

DNAJB11 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51166

Specification

DNAJB11 Antibody - Product Information

Application	WB
Primary Accession	O9UBS4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40 KDa
Antigen Region	11 - 70

DNAJB11 Antibody - Additional Information

Gene ID 51726

Other Names

DnaJ homolog subfamily B member 11, APOBEC1-binding protein 2, ABBP-2, DnaJ protein homolog 9, ER-associated DNAJ, ER-associated Hsp40 co-chaperone, Endoplasmic reticulum DNA J domain-containing protein 3, ER-resident protein ERdj3, ERdj3, ERj3p, HEDJ, Human DnaJ protein 9, hDj-9, PWP1-interacting protein 4, DNAJB11, EDJ, ERJ3, HDJ9

Target/Specificity

KLH conjugated synthetic peptide derived from human DNAJB11

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

DNAJB11 Antibody - Protein Information

Name DNAJB11

Synonyms EDJ, ERJ3, HDJ9

Function

As a co-chaperone for HSPA5 it is required for proper folding, trafficking or degradation of proteins (PubMed: [10827079](http://www.uniprot.org/citations/10827079), PubMed: [15525676](http://www.uniprot.org/citations/15525676), PubMed: [29706351](http://www.uniprot.org/citations/29706351)). 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 (PubMed:15525676). May help recruiting HSPA5 and other chaperones to the substrate. Stimulates HSPA5 ATPase activity (PubMed:10827079). It is necessary for maturation and correct trafficking of PKD1 (PubMed:29706351).

Cellular Location

Endoplasmic reticulum lumen Note=Associated with the ER membrane in a C-terminally epitope-tagged construct

Tissue Location

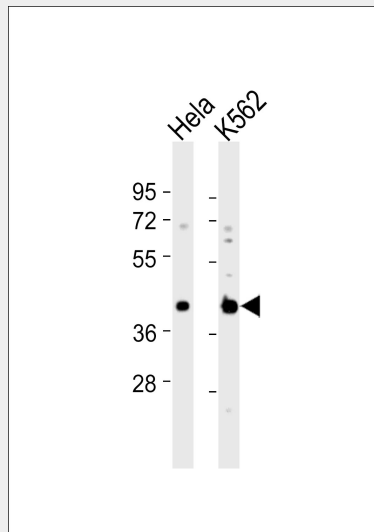
Widely expressed.

DNAJB11 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DNAJB11 Antibody - Images



All lanes : Anti-DNAJB11 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 41 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

DNAJB11 Antibody - Background

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.

DNAJB11 Antibody - References

Ohtsuka K., et al. Cell Stress Chaperones 5:98-112(2000).

Yu M., et al. J. Biol. Chem. 275:24984-24992(2000).

Bies C., et al. Biol. Chem. 385:389-395(2004).

Honore B., et al. Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.

Clark H.F., et al. Genome Res. 13:2265-2270(2003).