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DNAJB11 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51166

Product Information

Application	WB
Primary Accession	Q9UBS4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40514

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

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, PubMed:15525676, PubMed: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.

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.

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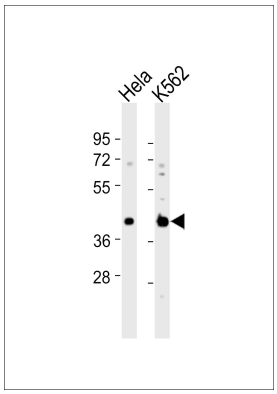
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

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% NFDM/TBST.