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Anti-DNAJB11 Antibody

Catalog # AP51166

Product Information

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

Additional Information

Gene ID	51726
Other Names	EDJ; ERJ3; HDJ9; 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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DNAJB11. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

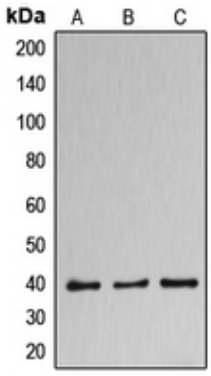
Name	DNAJB11
Synonyms	EDJ, ERJ3, HDJ9
Function	As a co-chaperone for HSPA5 it is required for proper folding, trafficking or degradation of proteins (PubMed:10827079, PubMed:15525676, PubMed:29706351). Binds directly to both unfolded proteins that are substrates for ERAD and nascent unfolded peptide 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.

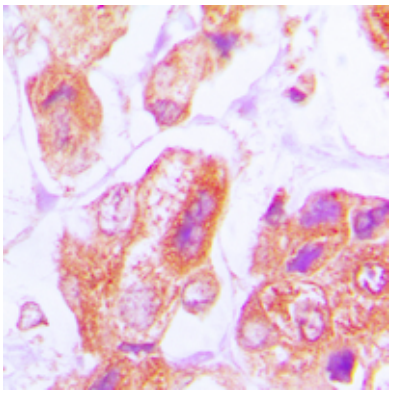
References

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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).

Images



Western blot analysis of DNAJB11 expression in HuvEc (A), NCIHC460 (B), MCF7 (C) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 40 kD)



Immunohistochemical analysis of DNAJB11 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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