

产品名称: ERdj3 Rabbit Polyclonal Antibody
产品货号: APRab10584



产品概述 (Summary)

产品名称 (Production Name)	ERdj3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DNAJB11 DNAJB11; EDJ; ERJ3; HDJ9; PSEC0121; DnaJ homolog subfamily B member 11;
别名 (Alternative Names)	APOBEC1-binding protein 2; ABBP-2; DnaJ protein homolog 9; ER-associated DNAJ; ER-associated Hsp40 co-chaperone; ER-associated dnaJ protein 3; ERdj3; ERj3p; HEDJ; Human
基因 ID (Gene ID)	51726.0
蛋白 ID (SwissProt ID)	Q9UBS4.The antiserum was produced against synthesized peptide derived from human DNAJB11. AA range:31-80

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
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蛋白分子量 (Molecular Weight) 40kDa

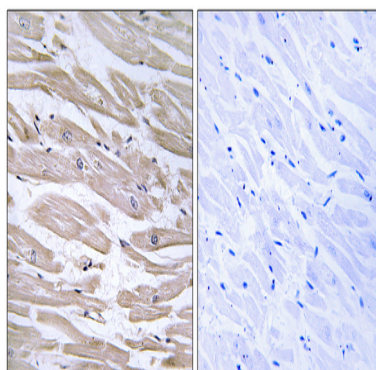
研究背景 (Background)

This gene encodes a soluble glycoprotein of the endoplasmic reticulum (ER) lumen that functions as a co-chaperone of binding immunoglobulin protein, a 70 kilodalton heat shock protein chaperone required for the proper folding and assembly of proteins in the ER. The encoded protein contains a highly conserved J domain of about 70 amino acids with a characteristic His-Pro-Asp (HPD) motif and may regulate the activity of binding immunoglobulin protein by stimulating ATPase activity. [provided by RefSeq, Mar 2014], caution: PubMed:11584023 reported a cytosolic, as well as nuclear subcellular location. This result was obtained using an N-terminally GFP-tagged construct which most probably affected signal peptide-driven targeting to the ER. As a consequence, the in vivo relevance of the observed interaction with APOBEC1, a nuclear protein, is dubious. This holds true for the interaction with PWP1., 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., induction: By ER stress-inducing agents, such as thapsigargin and tunicamycin., PTM: Contains high-mannose Endo H-sensitive carbohydrates., PTM: Cys-169, Cys-171, Cys-193 and Cys-196 form intramolecular disulfide bonds. The preferential partner for each Cys is not known., PTM: Thr-188 was reported (PubMed:17525332) 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., similarity: Contains 1 J domain., subcellular location: Associated with the ER membrane in a C-terminally epitope-tagged construct., subunit: Part a large chaperone multiprotein complex comprising CABP1, DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, 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., tissue specificity: Widely expressed.,

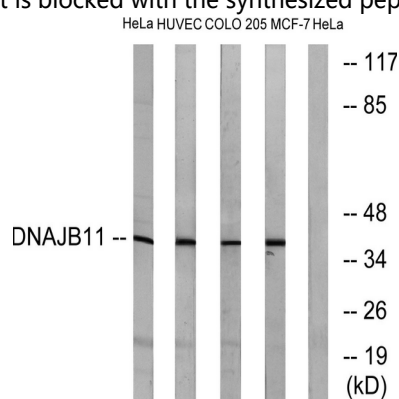
研究领域 (Research Area)

图片 (Image Data)

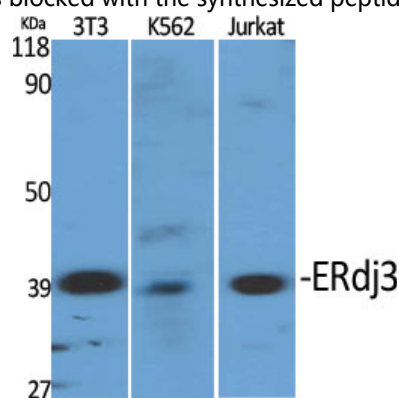
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Immunohistochemistry analysis of paraffin-embedded human heart tissue, using DNAJB11 Antibody. The picture on the right is blocked with the synthesized peptide.

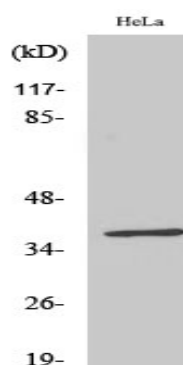


Western blot analysis of lysates from HeLa, HUVEC, COLO, and MCF-7 cells, using DNAJB11 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using ERdj3 Polyclonal Antibody diluted at 1: 2000

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Western Blot analysis of MCF7 cells using ERdj3 Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

For research use only .