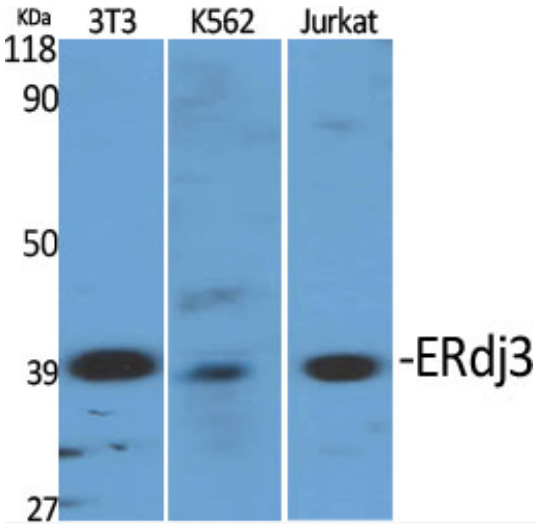
ERdj3 Polyclonal Antibody

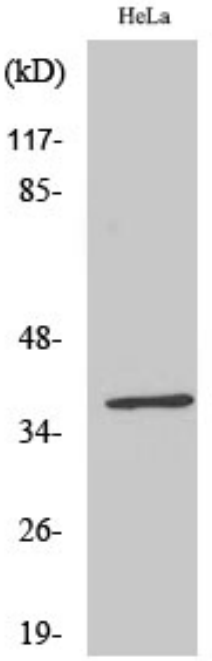
Catalog No	YP-Ab-03863
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	DNAJB11
Protein Name	DnaJ homolog subfamily B member 11
Immunogen	The antiserum was produced against synthesized peptide derived from human DNAJB11. AA range:31-80
Specificity	ERdj3 Polyclonal Antibody detects endogenous levels of ERdj3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DNAJB11; EDJ; ERJ3; HDJ9; PSEC0121; DnaJ homolog subfamily B member 11; 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
Observed Band	40kD
Cell Pathway	Endoplasmic reticulum lumen . Associated with the ER membrane in a C-terminally epitope-tagged construct.
Tissue Specificity	Widely expressed.
Function	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 revelance 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
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

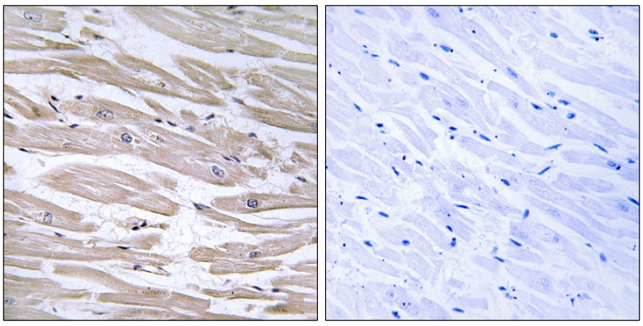
Products Images



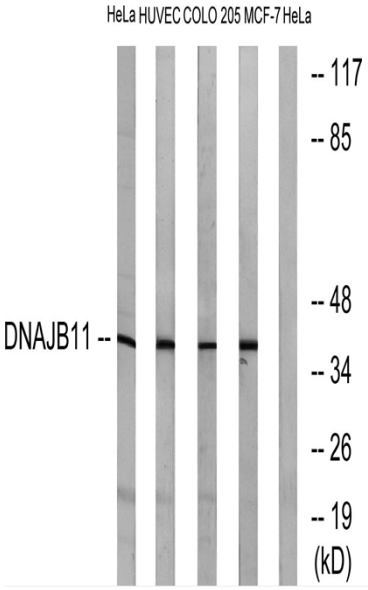
Western Blot analysis of various cells using ERdj3 Polyclonal Antibody diluted at 1:2000



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



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.