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ERdj3 Polyclonal Antibody

Catalog # AP69799

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q9UBS4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40514

Additional Information

Gene ID	51726
Other Names	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
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

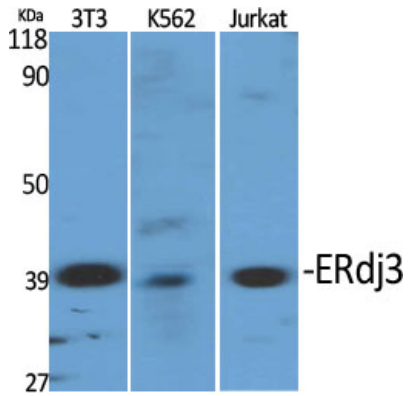
Name	DNAJB11
Synonyms	EDJ, ERJ3, HDJ9
Function	As a co-chaperone for HSPA5 it is required for proper folding, trafficking or degradation of proteins (PubMed:10827079, PubMed:15525676, PubMed:29706351). Binds directly to both unfolded proteins that are substrates for ERAD and nascent unfolded peptide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

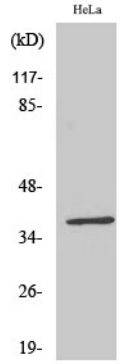
Background

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).

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.