

# DNAJB11 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12621a

## Product Information

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<b>Application</b>	IHC-P, WB, E
<b>Primary Accession</b>	<a href="#">Q9UBS4</a>
<b>Other Accession</b>	<a href="#">Q6TUG0</a> , <a href="#">Q99KV1</a> , <a href="#">Q3ZBA6</a> , <a href="#">NP_057390.1</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Bovine, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB32154
<b>Calculated MW</b>	40514
<b>Antigen Region</b>	63-92

## Additional Information

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<b>Gene ID</b>	51726
<b>Other Names</b>	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
<b>Target/Specificity</b>	This DNAJB11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-92 amino acids from the N-terminal region of human DNAJB11.
<b>Dilution</b>	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	DNAJB11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	DNAJB11
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<b>Synonyms</b>	EDJ, ERJ3, HDJ9
<b>Function</b>	As a co-chaperone for HSPA5 it is required for proper folding, trafficking or degradation of proteins (PubMed: <a href="#">10827079</a> , PubMed: <a href="#">15525676</a> , PubMed: <a href="#">29706351</a> ). 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: <a href="#">15525676</a> ). May help recruiting HSPA5 and other chaperones to the substrate. Stimulates HSPA5 ATPase activity (PubMed: <a href="#">10827079</a> ). It is necessary for maturation and correct trafficking of PKD1 (PubMed: <a href="#">29706351</a> ).
<b>Cellular Location</b>	Endoplasmic reticulum lumen Note=Associated with the ER membrane in a C-terminally epitope-tagged construct
<b>Tissue Location</b>	Widely expressed.

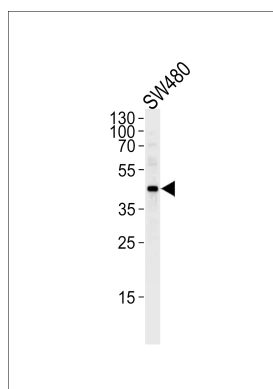
## Background

DNAJB11 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine (G/F)-rich region; and a C-terminal cysteine-rich region (Ohtsuka and Hata, 2000 [PubMed 11147971]).

## References

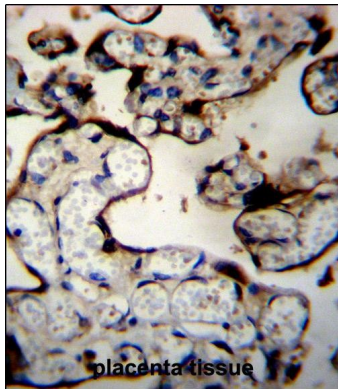
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## Images



Western blot analysis of lysate from SW480 cell line, using DNAJB11 Antibody (N-term)(Cat. #AP12621a). AP12621a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

DNAJB11 Antibody (N-term) (Cat. #AP12621a) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DNAJB11 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



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