

# DNAJB14 Polyclonal Antibody

Catalog No: #30628



Package Size: #30628-1 50ul #30628-2 100ul

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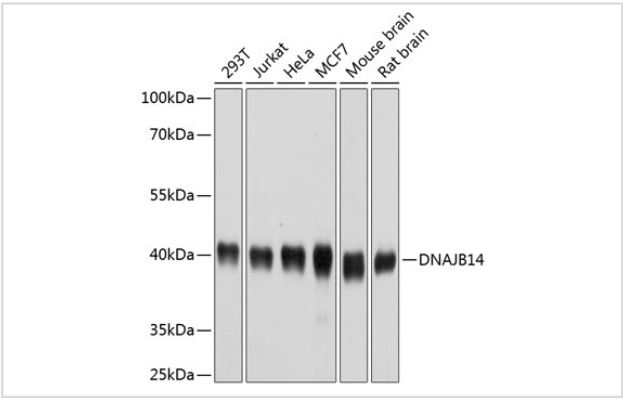
## Description

Product Name	DNAJB14 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human DNAJB14 (NP_001026893.1).
Conjugates	Unconjugated
Other Names	DNAJB14;EGNR9427;PRO34683
Accession No.	Uniprot:Q8TBM8GeneID:79982
Calculated MW	42kDa
SDS-PAGE MW	42kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

## Application Details

WB 1:1000 - 1:4000

## Images



Western blot analysis of extracts of various cell lines, using DNAJB14 antibody.

## Background

Acts as a co-chaperone with HSPA8/Hsc70; required to promote protein folding and trafficking, prevent aggregation of client proteins, and promote unfolded proteins to endoplasmic reticulum-associated degradation (ERAD pathway). Acts by determining HSPA8/Hsc70's ATPase and polypeptide-binding activities. Can also act independently of HSPA8/Hsc70: together with DNAJB12, acts as a chaperone that promotes maturation of potassium channels KCND2 and KCNH2 by stabilizing nascent channel subunits and assembling them into tetramers. While stabilization of nascent

channel proteins is dependent on HSPA8/Hsc70, the process of oligomerization of channel subunits is independent of HSPA8/Hsc70. When overexpressed, forms membranous structures together with DNAJB12 and HSPA8/Hsc70 within the nucleus; the role of these structures, named DJANGOs, is still unclear.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.