

DNAJB14 Polyclonal Antibody

Catalog No: #30628

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

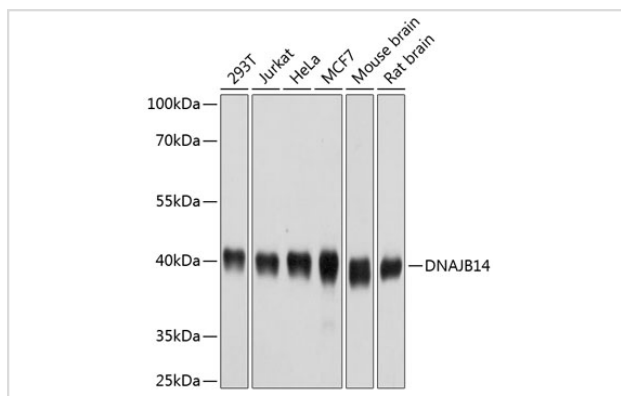
Description

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).
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.

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