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Anti-DNAJB2 Antibody

Catalog # AP60158

Product Information

Application	WB
Primary Accession	P25686
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35580

Additional Information

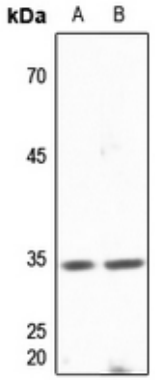
Gene ID	3300
Other Names	HSJ1; HSPF3; DnaJ homolog subfamily B member 2; DnaJ protein homolog 1; Heat shock 40 kDa protein 3; Heat shock protein J1; HSJ-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human DNAJB2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	DNAJB2 (HGNC:5228)
Function	Functions as a co-chaperone, regulating the substrate binding and activating the ATPase activity of chaperones of the HSP70/heat shock protein 70 family (PubMed:22219199, PubMed:7957263). In parallel, also contributes to the ubiquitin-dependent proteasomal degradation of misfolded proteins (PubMed:15936278, PubMed:21625540). Thereby, may regulate the aggregation and promote the functional recovery of misfolded proteins like HTT, MC4R, PRKN, RHO and SOD1 and be crucial for many biological processes (PubMed:12754272, PubMed:20889486, PubMed:21719532, PubMed:22396390, PubMed:24023695). Isoform 1 which is localized to the endoplasmic reticulum membranes may specifically function in ER-associated protein degradation of misfolded proteins (PubMed:15936278).
Cellular Location	[Isoform 2]: Cytoplasm. Nucleus
Tissue Location	More abundantly expressed in neocortex, cerebellum, spinal cord and retina

where it is expressed by neuronal cells (at protein level) (PubMed:12754272, PubMed:1599432). Detected at much lower level in non-neuronal tissues including kidney, lung, heart, skeletal muscle, spleen and testis (at protein level) (PubMed:12754272, PubMed:1599432). Isoform 1 is more abundant in neocortex and cerebellum compared to isoform 2 (at protein level) (PubMed:12754272)

Images



Western blot analysis of DNAJB2 expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 35 kD; Observed band size: 35 kD)

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