

DNAJB2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18931a**Specification**

DNAJB2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P25686
Other Accession	O9QYI5 , NP_006727.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35580
Antigen Region	42-71

DNAJB2 Antibody (N-term) - Additional Information**Gene ID** 3300**Other Names**

DnaJ homolog subfamily B member 2, DnaJ protein homolog 1, Heat shock 40 kDa protein 3, Heat shock protein J1, HSJ-1, DNAJB2, HSJ1, HSPF3

Target/Specificity

This DNAJB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-71 amino acids from the N-terminal region of human DNAJB2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

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.

Storage

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.

Precautions

DNAJB2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAJB2 Antibody (N-term) - 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

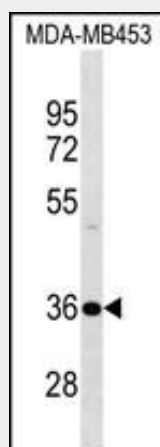
More abundantly expressed in neocortex, cerebellum, spinal cord and retina where it is expressed by neuronal cells (at protein level) (PubMed:[12754272](#), PubMed:[1599432](#)). Detected at much lower level in non-neuronal tissues including kidney, lung, heart, skeletal muscle, spleen and testis (at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

DNAJB2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DNAJB2 Antibody (N-term) - Images



DNAJB2 Antibody (N-term) (Cat. #AP18931a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the DNAJB2 antibody detected the DNAJB2 protein (arrow).

DNAJB2 Antibody (N-term) - Background

DNAJB2 is involved in heat shock protein and unfolded protein binding.

DNAJB2 Antibody (N-term) - References

Claeys, K.G., et al. Am. J. Pathol. 176(6):2901-2910(2010)
Starr, J.M., et al. Mech. Ageing Dev. 129(12):745-751(2008)
Mahoney, D.J., et al. Am. J. Physiol. Regul. Integr. Comp. Physiol. 294 (6), R1901-R1910 (2008) :
Adaimy, L., et al. Am. J. Hum. Genet. 81(4):821-828(2007)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)