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# DNAJB2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18931a

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | P25686 |
| **Other Accession** | Q9QYI5, NP_006727.2 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB32153 |
| **Calculated MW** | 35580 |
| **Antigen Region** | 42-71 |

## Additional Information

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| **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. |

## Protein Information

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| **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 |

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| | (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) |

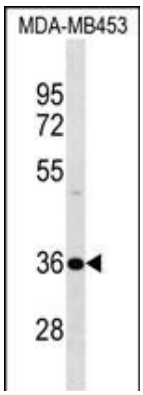
## Background

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

## References


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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)
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## 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).


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