



# DNJB2 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-06603                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>                   | DNAJB2 HSJ1 HSPF3                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>                   | Synthesized peptide derived from human protein . at AA range: 260-340                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Specificity</b>                 | DNJB2 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Dilution</b>                    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>                    | HSJ-1;HSJ1;HSJ 1;Heat shock protein J1;Heat shock 40 kDa protein 3;DNJB2;DNAJB2 HSJ1 HSPF3;DnaJ homolog subfamily B member 2 (DnaJ protein homolog 1) (Heat shock 40 kDa protein 3) (Heat shock protein J1) (HSJ-1)                                                                                                                                                                                                                                                      |
| <b>Observed Band</b>               | 35kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Calculated Molecular Weight</b> | 35kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cell Pathway</b>                | [Isoform 2]: Cytoplasm . Nucleus .; [Isoform 1]: Endoplasmic reticulum membrane ; Lipid-anchor ; Cytoplasmic side .                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tissue Specificity</b>          | More abundantly expressed in neocortex, cerebellum, spinal cord and retina where it is expressed by neuronal cells (at protein level) (PubMed:1599432, PubMed:12754272). 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). |
| <b>Function</b>                    | alternative products:Experimental confirmation may be lacking for some isoforms,similarity:Contains 1 J domain.,similarity:Contains 2 UIM (ubiquitin-interacting motif) repeats.,tissue specificity:Brain (neuronal layers). Weakly, in skeletal muscle and spleen.,                                                                                                                                                                                                     |



## Background

This gene is almost exclusively expressed in the brain, mainly in the neuronal layers. It encodes a protein that shows sequence similarity to bacterial DnaJ protein and the yeast homologs. In bacteria, this protein is implicated in protein folding and protein complex dissociation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011],

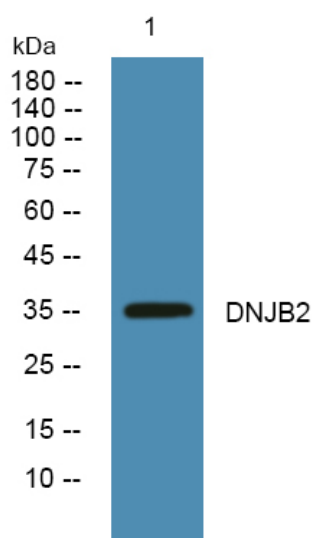
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4° over night