

# Anti-DNAJB1 / Hsp40 Antibody (aa170-220)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17449

## Product Information

|                       |                        |
|-----------------------|------------------------|
| Application           | WB, IHC-P              |
| Primary Accession     | <a href="#">P25685</a> |
| Predicted             | Human, Mouse           |
| Host                  | Rabbit                 |
| Clonality             | Polyclonal             |
| Calculated MW         | 38044                  |
| Concentration (mg/ml) | 0.5 mg/ml              |

## Additional Information

|                          |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 3337                                                                                                                                                                                                            |
| Alias Symbol             | DNAJB1                                                                                                                                                                                                          |
| Other Names              | DNAJB1, Dnaj protein homolog 1, DNAJ1, HDj-1, Hdj1, Heat shock 40 kDa protein 1, Hsp40, HSPF1, RSPH16B, Sis1, Radial spoke 16 homolog B, Heat shock 40kD protein 1, Heat shock protein 40, Human Dnaj protein 1 |
| Target/Specificity       | Endogenous levels of human, and mouse HSP40 protein. Sequence homology predicts that it will also react with rat and bovine HSP40 protein.                                                                      |
| Reconstitution & Storage | Lyophilized from PBS, pH 7.4, 0.02% sodium azide. Store lyophilized at -20°C. The reconstituted product can be stored for short term at 4 °C or long term at -20 °C or below. Avoid freeze/thaw cycles.         |
| Precautions              | Anti-DNAJB1 / Hsp40 Antibody (aa170-220) is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                      |

## Protein Information

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name     | DNAJB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Synonyms | DNAJ1, HDJ1, HSPF1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function | Interacts with HSP70 and can stimulate its ATPase activity. Acts also with TTC1 as a chaperone adapter that regulates HSP70- dependent folding process by interacting with the HSP70 amino terminal region (PubMed: <a href="#">14503850</a> ). Stimulates the association between HSC70 and HIP. Negatively regulates heat shock-induced HSF1 transcriptional activity during the attenuation and recovery phase period of the heat shock response (PubMed: <a href="#">9499401</a> ). Stimulates ATP hydrolysis and the folding of unfolded proteins mediated by HSPA1A/B (in vitro) (PubMed: <a href="#">24318877</a> ). |

**Cellular Location**

Cytoplasm. Nucleus. Nucleus, nucleolus. Note=Translocates rapidly from the cytoplasm to the nucleus, and especially to the nucleoli, upon heat shock

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