

## HSPA2 Rabbit Polyclonal Antibody

### Catalog #: EAB11780

| Host/Isotype | Clonality  | Applications | MW (kDa) | Reactivity        |
|--------------|------------|--------------|----------|-------------------|
| Rabbit IgG   | Polyclonal | WB, ELISA    | 70       | Human, Mouse, Rat |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|                                                  |              |
|--------------------------------------------------|--------------|
| <b>WB</b> (Western Blotting)                     | 1:500-2000   |
| <b>ELISA</b> (Enzyme-linked Immunosorbent Assay) | 1:5000-20000 |

### Product Information

|                       |                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conjugate</b>      | Unconjugate                                                                                                                               |
| <b>Specificity</b>    | HSPA2 Rabbit Polyclonal Antibody detects endogenous levels of HSPA2 protein.                                                              |
| <b>Purification</b>   | Affinity purification                                                                                                                     |
| <b>Concentration</b>  | 1mg/ml                                                                                                                                    |
| <b>Format</b>         | Liquid                                                                                                                                    |
| <b>Formulation</b>    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol                                                                  |
| <b>Shipping</b>       | Gel Pack                                                                                                                                  |
| <b>Storage</b>        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles.<br>Aliquots may be stored at +4°C for 1-2 weeks |
| <b>UniProt ID</b>     | <a href="#">P54652</a>                                                                                                                    |
| <b>Entrez-Gene ID</b> | <a href="#">3306</a>                                                                                                                      |

### Product Description

HSPA2(heat shock 70kDa protein 2) also known as HEAT-SHOCK PROTEIN, 70-KD, 2, HSP70-2, HEAT-SHOCK PROTEIN, 70-KD, 3 or HSP70-3. Analysis of the sequence indicated that HSPA2 is the human homolog of the murine Hsp70-2 gene, with 91.7% identity in the nucleotide coding sequence and 98.2% in the corresponding amino acid sequence. HSPA2 has less amino acid homology to the other members of the human HSP70 gene family. HSPA2 is constitutively expressed in most tissues, with very high levels in testis and skeletal muscle. The HSPA2 gene is located on chromosome 14q22-q24. Immunohistochemical analysis detected weak expression of HSPA2 in spermatocytes and stronger expression in spermatids and in the tail of mature sperm. HSPA2 may be critical to sperm maturation through its role as a protein chaperone.

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