

## Anti-HSPA2 Antibody Picoband® APC Conjugated

Catalog Number: PB9639-APC

### About HSPA2

HSPA2 (heat shock 70kDa protein 2) is 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.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-HSPA2 Antibody Picoband® APC Conjugated   |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | P54652   |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | A synthetic peptide corresponding to a sequence at the C-terminus of human HSPA2, identical to the related mouse and rat sequences. |
| Cross Reactivity | No cross-reactivity with other proteins   |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | APC<br>Excitation Wavelength: 633-647 nm<br>Emission Wavelength: 660 nm   |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-HSPA2 Antibody - APC

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