

**HSPA1A/HSPA1B Antibody (Y41) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP7574a****Specification**

---

**HSPA1A/HSPA1B Antibody (Y41) Blocking peptide - Product Information**Primary Accession [P08107](#)**HSPA1A/HSPA1B Antibody (Y41) Blocking peptide - Additional Information****Other Names**

Heat shock 70 kDa protein 1A/1B, Heat shock 70 kDa protein 1/2, HSP70-1/HSP70-2, HSP701/HSP702, HSPA1A, HSPA1, HSX70

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7574a](/product/products/AP7574a) was selected from the Y41 region of human HSPA1A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HSPA1A/HSPA1B Antibody (Y41) Blocking peptide - Protein Information****HSPA1A/HSPA1B Antibody (Y41) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**HSPA1A/HSPA1B Antibody (Y41) Blocking peptide - Images****HSPA1A/HSPA1B Antibody (Y41) Blocking peptide - Background**

HSPA1A is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1.

**HSPA1A/HSPA1B Antibody (Y41) Blocking peptide - References**

Mueller, T., et al., Transplantation 78(2):292-295 (2004). Fekete, A., et al., Pediatr. Res. 54(4):452-455 (2003). Broquet, A.H., et al., J. Biol. Chem. 278(24):21601-21606 (2003). Bruce, C.R., et al., Diabetes 52(9):2338-2345 (2003). Anwar, A., et al., J. Biol. Chem. 277(16):14060-14067 (2002).