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# HSPA1A/HSPA1B Antibody (Y525)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7574c

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P08107 |
| **Other Accession** | Q27965, Q27975 |
| **Reactivity** | Human |
| **Predicted** | Bovine, Mouse, Rat, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB10997 |
| **Antigen Region** | 503-532 |

## Additional Information

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|---|---|
| **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** | This HSPA1A/HSPA1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 503-532 amino acids from human HSPA1A/HSPA1B. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | HSPA1A/HSPA1B Antibody (Y525) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

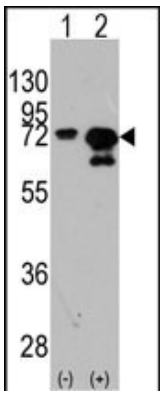
## Background

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.

## 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).

## Images




Western blot analysis of HSPA1A (arrow) using rabbit polyclonal HSPA1A Antibody (Y525) (Cat.#AP7574c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the HSPA1A gene (Lane 2) (Origene Technologies).

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