

Datasheet for ABIN7154927  
**anti-HSPA2 antibody (AA 400-639)**

## 3 Images

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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | HSPA2  |
| Binding Specificity: | AA 400-639   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This HSPA2 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), ELISA |

## Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant Human Heat shock-related 70 kDa protein 2 protein (400-639AA) |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human, Rat  |
| Purification:     | Antigen Affinity Purified   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | HSPA2  |
| Alternative Name: | HSPA2 ( <a href="#">HSPA2 Products</a> )   |
| Background:       | Background: In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as |

## Target Details

well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage.

Aliases: 70 kDa antibody, Hcp70.2 antibody, Heat shock 70 kDa protein 2 antibody, Heat shock protein 2 antibody, Heat shock protein 70.2 antibody, Heat shock related 70 kDa protein 2 antibody, Heat shock-related 70 kDa protein 2 antibody, Heat-shock protein, 70-KD, 2 antibody, Heat-shock protein, 70-KD, 3 antibody, HSP70 2 antibody, HSP70 3 antibody, Hsp70-2 antibody, HSP70-3 antibody, HSP70.2 antibody, HSP70A2 antibody, HSP72 antibody, HSP72\_HUMAN antibody, HSPA2 antibody, Hspt70 antibody, Hst70 antibody, MGC58299 antibody, MGC7795 antibody, MGC93458 antibody, OTTHUMP00000180664 antibody, Testis-specific heat shock protein-related antibody

UniProt: [P54652](#)

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

Format: Liquid

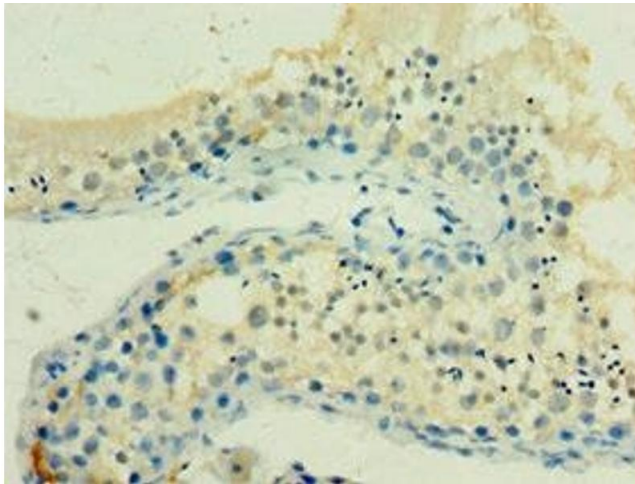
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

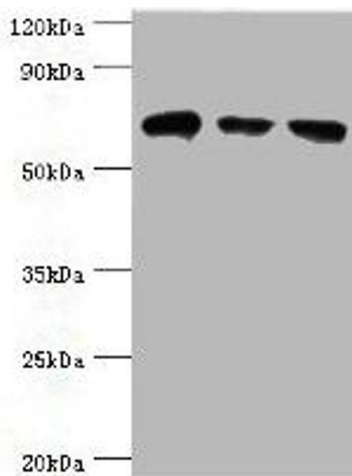
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



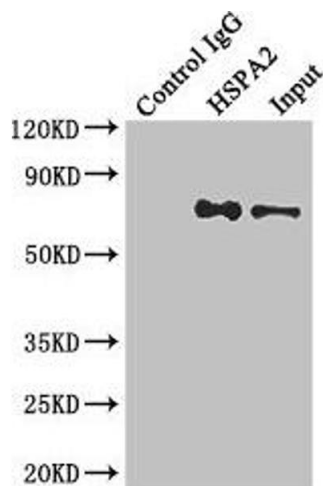
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7154927 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: HSPA2 antibody at 6 µg/mL  
Lane 1: A431 whole cell lysate Lane 2: Hela whole cell lysate  
Lane 3: Rat brain tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 70 kDa  
Observed band size: 70 kDa



### Western Blotting

**Image 3.** Immunoprecipitating HSPA2 in Hela whole cell lysate Lane 1: Rabbit control IgG instead of (1 µg) instead of ABIN7154927 in Hela whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000) Lane 2: ABIN7154927 (4 µg) + Hela whole cell lysate (500 µg) Lane 3: Hela whole cell lysate (20 µg)