

## HSP70/HSPA1 polyclonal antibody

Catalog: BS72314

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

This intronless gene encodes a 70kDa heat shock protein which 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. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4

### Molecular Weight:

~ 70 KDa

### Swiss-Prot:

P0DMV8

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB 1:1000 - 1:3000

IHC 1:50 - 1:200

IF 1:50 - 1:200

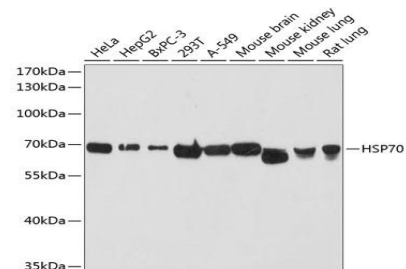
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

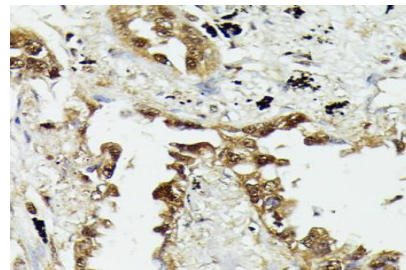
### Specificity:

HSP70/HSPA1 polyclonal antibody detects endogenous levels of HSP70/HSPA1 protein.

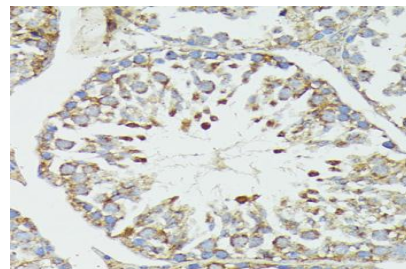
### DATA:



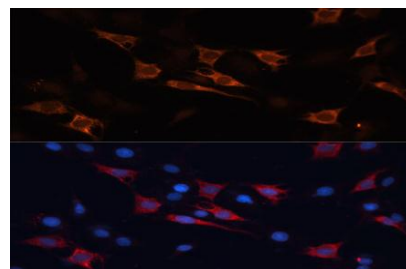
Western blot analysis of extracts of various cell lines, using HSP70/HSPA1 antibody at 1:3000 dilution.



Immunohistochemistry of paraffin-embedded human lung cancer using HSP70/HSPA1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using HSP70/HSPA1 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of C6 cells using HSP70/HSPA1 Polyclonal Antibody at dilution of 1:100 (40x lens).

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

Note:

For research use only, not for use in diagnostic procedure.

---

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park,  
MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046,  
P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151