

**Product Name: Hsp70 Rabbit Polyclonal Antibody****Catalog #: APRab01361**

For research use only.

**Summary**

|                      |                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------|
| <b>Description</b>   | Rabbit polyclonal Antibody                                                                           |
| <b>Host</b>          | Rabbit                                                                                               |
| <b>Application</b>   | WB,IHC,FC,IP                                                                                         |
| <b>Reactivity</b>    | Human                                                                                                |
| <b>Conjugation</b>   | Unconjugated                                                                                         |
| <b>Modification</b>  | Unmodified                                                                                           |
| <b>Isotype</b>       | IgG                                                                                                  |
| <b>Clonality</b>     | Polyclonal                                                                                           |
| <b>Form</b>          | Liquid                                                                                               |
| <b>Concentration</b> | 1mg/ml                                                                                               |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                          |
| <b>Shipping</b>      | Ice bags                                                                                             |
| <b>Buffer</b>        | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| <b>Purification</b>  | Affinity Purification                                                                                |

**Application**

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-1:1000,IHC 1:50-1:100,FC 1:50-1:100,IP 1:20-1:50 |
| <b>Molecular Weight</b> | Calculated MW: 70 kDa; Observed MW: 70 kDa                |

**Antigen Information**

|                          |                                    |
|--------------------------|------------------------------------|
| <b>Gene Name</b>         | HSPA1A                             |
| <b>Alternative Names</b> | HSP72; HSPA1; HSX70                |
| <b>Gene ID</b>           | 3303                               |
| <b>SwissProt ID</b>      | P0DMV8                             |
| <b>Immunogen</b>         | Recombinant protein of human Hsp70 |

**Background**

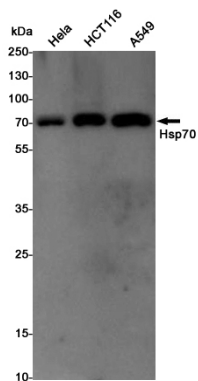
In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway

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.

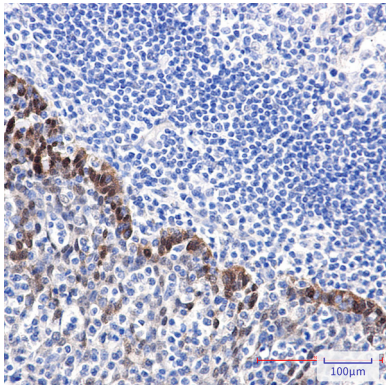
## Research Area

Signal Transduction

## Image Data



Western blot analysis of Hsp70 in HeLa, HCT116, A549 lysates using Hsp70 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Hsp70 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.