



## Rabbit Anti-HspBP1 antibody

SL18085R

|                               |  |
|-------------------------------|--|
| <b>Product Name:</b>          | HspBP1   |
| <b>Chinese Name:</b>          | 热休克蛋白70Binding protein1抗体  |
| <b>Alias:</b>                 | 1500019G21Rik; FES1; Heat shock protein 70 binding protein; Heat shock protein 70 interacting protein; Heat shock protein binding protein 1; Heat shock protein-binding protein 1; Heat-shock 70-KD protein-binding protein 1; HPBP1_HUMAN; Hsp 70 binding protein; Hsp 70 interacting protein; Hsp70 binding protein 1; Hsp70 binding protein 2; Hsp70 interacting protein 1; Hsp70 interacting protein 2; Hsp70-binding protein 1; Hsp70-binding protein 2; Hsp70-interacting protein 1; Hsp70-interacting protein 2; HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1; HSPA-binding protein 1; HSPBP; HspBP1; HspBP2; PP1845. |
| <b>Organism Species:</b>      | Rabbit   |
| <b>Clonality:</b>             | Polyclonal   |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,  |
| <b>Applications:</b>          | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight:</b>      | 39kDa  |
| <b>Cellular localization:</b> | The nucleuscytoplasmic   |
| <b>Form:</b>                  | Lyophilized or Liquid  |
| <b>Concentration:</b>         | 1mg/ml   |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human HspBP1:51-150/362  |
| <b>Lsotype:</b>               | IgG  |
| <b>Purification:</b>          | affinity purified by Protein A   |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.   |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.  |
| <b>PubMed:</b>                | <a href="#">PubMed</a>   |

Hsp70-interacting protein (HspBP1) belongs to a family of eukaryotic proteins identified as nucleotide exchange factors for Hsp70, which exhibit varying degrees of compartment and species specificity. HspBP1 interferes with the CHIP-induced degradation of immature forms of the cystic fibrosis transmembrane conductance regulator (CFTR) and stimulates CFTR maturation. HspBP1 binds to Hsp70, inhibits its activity and promotes dissociation of nucleotides from the Hsp70 ATPase domain. It is a protein mainly expressed in heart and skeletal muscle.

**Function:**

Inhibits HSPA1A chaperone activity by changing the conformation of the ATP-binding domain of HSPA1A and interfering with ATP binding. Interferes with ubiquitination mediated by STUB1 and inhibits chaperone-assisted degradation of immature CFTR.

**Tissue Specificity:**

Ubiquitous.

**Similarity:**

Contains 4 ARM repeats.

**SWISS:**

Q9NZL4

**Gene ID:**

23640

**Database links:**

[Entrez Gene: 23640](#) Human

[Entrez Gene: 66245](#) Mouse

[Entrez Gene: 246146](#) Rat

[Omim: 612939](#) Human

[SwissProt: Q9NZL4](#) Human

[SwissProt: Q99P31](#) Mouse

[SwissProt: Q6IMX7](#) Rat

[Unigene: 53066](#) Human

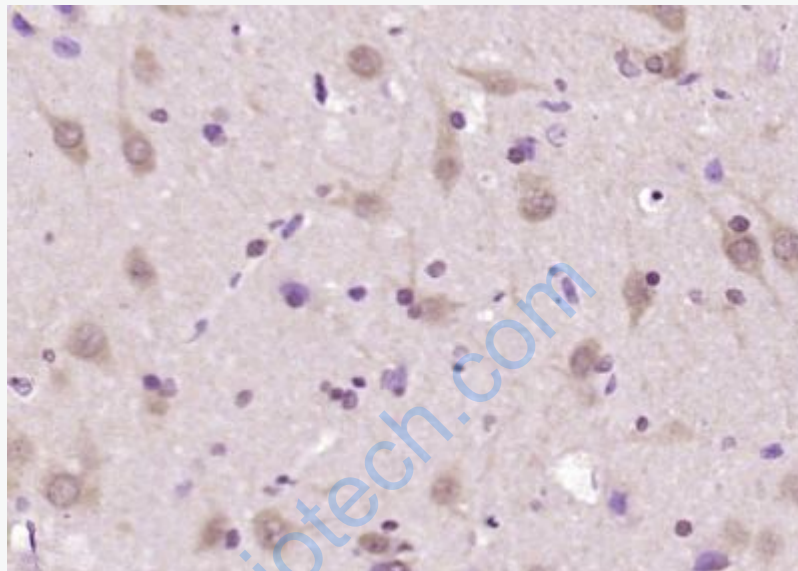
[Unigene: 6803](#) Mouse

[Unigene: 4297](#) Rat

**Product Detail:**

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HspBP1) Polyclonal Antibody, Unconjugated (SL18085R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.