

**Hsp105 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10285****Specification**

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**Hsp105 Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">O92598</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	96865

**Hsp105 Antibody - Additional Information****Gene ID** 10808

Application & Usage	Western blotting (0.5-4 µg/ml), immunoprecipitation (10-20 µg/ml) and Immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.
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**Other Names**

HSP 110 family, HSP 105 famioy, heat shock protein

**Target/Specificity**

Hsp105

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.2 mg/ml) Protein A purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Hsp105 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Hsp105 Antibody - Protein Information

**Name** HSPH1

**Synonyms** HSP105, HSP110, KIAA0201

### Function

Acts as a nucleotide-exchange factor (NEF) for chaperone proteins HSPA1A and HSPA1B, promoting the release of ADP from HSPA1A/B thereby triggering client/substrate protein release (PubMed:<a href="http://www.uniprot.org/citations/24318877" target="\_blank">24318877</a>). Prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. Inhibits HSPA8/HSC70 ATPase and chaperone activities (By similarity).

### Cellular Location

Cytoplasm.

### Tissue Location

Highly expressed in testis. Present at lower levels in most brain regions, except cerebellum. Overexpressed in cancer cells.

## Hsp105 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Hsp105 Antibody - Images

## Hsp105 Antibody - Background

Heat shock proteins (HSPs) are ubiquitously expressed in all organisms. The HSPs fall into five general families: HSP105, HSP90, HSP70, the low molecular weight HSPs, and the immunophilins. The HSP105 (also called HSP110) family is composed of HSP105, Apg-1 and Apg-2. The HSP90 family consists of HSP90 $\alpha$ , HSP90 $\beta$  and GRP94. The HSP70 family is comprised of HSP70, HSC70, GRP78 and GRP75. The low molecular weight HSPs includes HSP10, HSP25, HSP27 and HSP32. HSP56 and FKBP12 are immunophilins and bind to immunosuppressive drugs.