

# Hsp105 Polyclonal Antibody

<b>CATALOG #:</b>	3390-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide corresponding to N-terminus of mouse Hsp105 (ID# BV-340).
<b>SPECIES REACTIVITY:</b>	human, mouse, rat, hamster

**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.

**STORAGE CONDITIONS:**

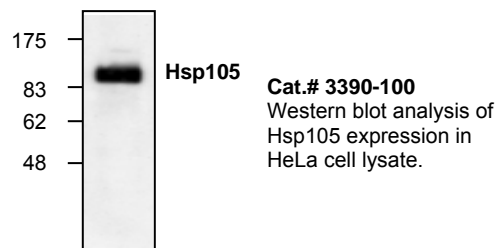
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

**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 include HSP10, HSP25, HSP27 and HSP32. HSP56 and FKBP12 are immunophilins and bind to immunosuppressive drugs.

**APPLICATION:**

The antibody can be used in Western blotting (0.5-4 µg/ml). Based on researcher's feed back, the antibody also works well in immunoprecipitation (10-20 µg/ml) and immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.

**RELATED PRODUCTS:**

## Apoptosis Detection Kits &amp; Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

## Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

## Cell Proliferation &amp; Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

## Cell Damage &amp; Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

## Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

## Adipocyte &amp; Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

## Molecular Biology &amp; Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

## Growth Factors and Cytokines

## Monoclonal and Polyclonal Antibodies