

Hsp47 Polyclonal Antibody

CATALOG NO:	3496-30T	30 µg (Trial size)
	3496-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 407 of human HSP47 (ID# BV-341).	
SPECIES REACTIVITY:	Human, Mouse, Rat, Chick	

FORMULATION:

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/thaw cycles.

BACKGROUND:

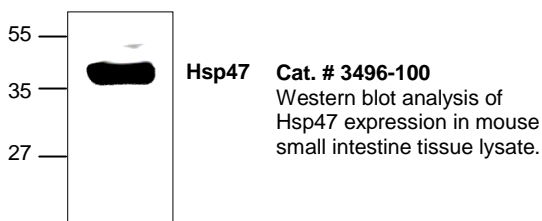
Heat shock proteins (HSPs) are ubiquitously expressed in all organisms. HSP47 is a molecule expressed constitutively in cells that synthesizes collagen. HSP47 is a procollagen-specific molecular chaperon that resides in the endoplasmic reticulum of procollagen-producing cells and is essential for secretion of procollagen from cells. Significantly, HSP47 plays a vital role in folding and assembling collagen. HSP47 is also known as colligin 1, serpinh1, collagen-binding protein 1 (CBP1) and gp46. The human HSP 47 gene encodes a 47 kDa protein.

SPECIFICITY:

The antibody recognizes 47 kDa Hsp47 of human, mouse, rat, and chick origins. Mouse small intestine tissue lysate (Cat. # 2601-100) can be used as a positive control.

APPLICATION:

The antibody can be used for Western blotting (0.5-4 µg/ml), and in Immunohistochemistry (2.5 µg/ml). Based on researcher's feedback, it can also be used in Immunoprecipitation (10-20 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat. # 3496BP-50) is also available.



FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & 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 & 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 & Repair

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

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

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- CETP Activity Assay & Drug Discovery Kits
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- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies