

Hsp90 Monoclonal Antibody

CATALOG #:	3098-100
AMOUNT:	100 µg
LOT #:	_____
ISOTYPE:	Mouse IgG ₁
CLONE:	S88
MOL. WEIGHT:	90 KDa
SPECIES REACTIVITY:	human, mouse, rat, monkey, bovine, rabbit, guinea pig, dog, sheep, chicken, pig

ANTIBODY FORMULATION:

100 µg (0.2 mg/ml) in PBS containing 1 mg/ml BSA, 50% glycerol, and 0.2% thimerosal.

STORAGE CONDITIONS:

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

BACKGROUND DESCRIPTION:

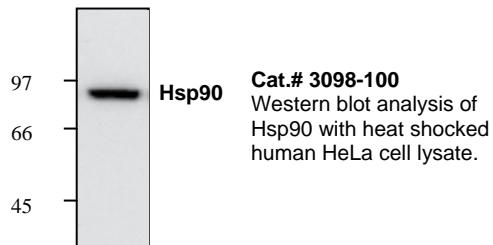
Hsp90 (also known as Hsp82, Hsp83, or Hsp89), a 90 kDa protein, is the most abundant protein in the cytosolic fraction in many cell types. The high level of Hsp90 in many cell types suggests that Hsp90 may play a general role in the cell, but little is known about its general function. Hsp90 has no known enzymatic activity, and thus it has been presumed that Hsp90 may function through protein-protein interactions. Hsp90 exists in a dimeric form and has been observed to bind to several cellular proteins such as retro-virus kinases (PP60v-src), steroid receptors, heme-regulated protein kinase, actin and tubulin. In this regard, Hsp90, like Hsp70, may function as a "molecular chaperone". Hsp90 exists as two isoforms referred to as Hsp86 and HSP84 in murine cells or Hsp90 α and Hsp90 β in human cells.

APPLICATIONS AND USAGE:

Western blot analysis (1-2 µg/ml), immunoprecipitation (4-8 µg/ml) and Immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually.

SPECIFICITY:

The antibody recognizes a 90 kDa protein, corresponding to the apparent molecular weight of Hsp90 on SDS-PAGE immunoblots. This antibody detects both Hsp90 alpha and beta.



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

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

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
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