

Hsp90 Polyclonal Antibody

CATALOG NO:	3389-30T	30 µg (Trial size)
	3389-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide corresponding to residues surrounding amino acids 714 of human Hsp90 (ID# BV-67)	
SPECIES REACTIVITY:	Human, Mouse, Rat	

FORMULATION:

0.5 mg/ml affinity 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.

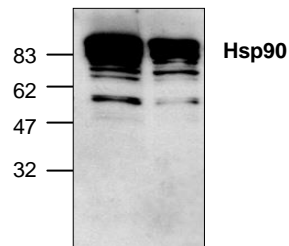
BACKGROUND:

Heat shock proteins (HSPs) are ubiquitously expressed in all organisms. A major function of HSP90 and other HSPs is to act as molecular chaperones. HSP90 forms a complex with glucocorticoid receptor (GR), rendering the non-ligand-bound receptor transcriptionally inactive. HSP 90 binds the GR as a heterocomplex composed of either HSP56 or cyclophilin-40, forming an aporeceptor complex. HSP90 also exists as a dimer with other proteins such as p60/sti1 and p23, forming an aporeceptor complex with estrogen and androgen receptors.

SPECIFICITY:

The antibody recognizes Hsp90 α and Hsp90 β of human, mouse, and rat origins.

APPLICATION: The antibody can be used in Western blotting (0.5-4 µg/ml). Based on researchers feedback, the antibody also works well in immunoprecipitation (10-20 µg/ml) and immunohistochemistry (frozen sections, 10-20 µg/ml). However, the optimal concentrations should be determined individually.

**Cat. # 3389-100**

Western blot analysis of Hsp90 expression in Jurkat cell lysate (Lane 1) and mouse small intestine tissue lysate (lane 2).

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

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