

PfHsp90 Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 11142

Size: 100ug in PBS (1mg/ml), pH 7.4,
50% glycerol, 0.09% sodium azide.

Purified by Protein A affinity
chromatography.

BACKGROUND

The Hsp90 protein chaperone is a highly conserved protein critical for the proper functioning of various cellular signaling pathways and serves to mediate appropriate folding and protein-protein interactions. Hsp90 has been shown to be important for the growth of infectious agents such as *Plasmodium falciparum*, the causative agent of malaria.

Treatment with geldanamycin effectively inhibits the growth of *P. falciparum* in culture, presumably through its interaction with Hsp90. In addition, a recent study has shown that PfHsp90 may be more sensitive to geldanamycin treatment than its human homolog.

SPECIFICATION SUMMARY

Antigen: Recombinant partial PfHsp90 C-terminal 193 amino acids (Accession no. XP_001348591.1)

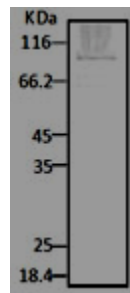
Host Species: Rabbit

SPECIFICITY

This antibody recognizes *P. falciparum* Hsp90 and does not recognize Hsp90 of human, yeast, or dictyostelium..

APPLICATIONS

Immunoblotting: use at 1ug/ml. A band of ~90kDa is detected.



Immunoblot of PfHsp90 in 20ug *P. falciparum* lysate with #11142 at 0.7ug/ml.

Immunofluorescence: use at 20ug/ml.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.