

AB-NN060-6

HSP70 (P. Falciparum) Antibody

Pan-specific polyclonal antibody for monitoring the expression of P. Falciparum heat shock protein HSP70 (P. Falciparum)



KINEXUS

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Target Protein

Name Long:	Heat shock 70 kDa protein
Alias:	HSP70_PLAFA, Cytoplasmic antigen 74.3 kDa protein
UniProt ID:	P11144 - P. Falciparum
Human Predicted Mass (kDa):	70.052 (641 AA; P0DMV8-1); 63.937 (586 AA; P0DMV8-2)
Observed SDS-PAGE Mass (kDa):	70

Immunogen

Antibody Immunogen Source:	His-tagged and purified PfHSP70, C-terminus (AA 365-681)
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Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	127 Mix
Antibody Purification:	Protein A purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB ICC/IF
Antibody Dilution Recommended:	WB (1:2000), ICC/IF (1:50); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	P. Falciparum
Antibody Positive Control:	0.15 µg/ml of SPC-186 was sufficient for detection of PfHSP70 in 20 µg of P. falciparum lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~ 70 kDa protein. Specific to P. Falciparum.
Antibody Cross Reactivities:	Does not cross-react to any protein from human erythrocytes.

This product is for in vitro research use only and is not intended for use in humans or animals.

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