

# AB-NN057-4

## HSP40 Antibody

Pan-specific polyclonal antibody for monitoring the expression of P. Falciparum heat shock protein HSP40



# KINEXUS

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### Target Protein

<b>Name Long:</b>	DNAJ (HSP40)
<b>Alias:</b>	DNAJ1, NDAJB1, HDJ1, HSP40, HSPF1, DnaJ homologue subfamily B member 1, Dna J protein homologue 1, Heat shock 40 kDa protein 1, HSP40, heat shock protein 40, Human DnaJ protein 1, hDj-1
<b>UniProt ID:</b>	Q8IHM7 - P. Falciparum
<b>Human Predicted Mass (KDa):</b>	38.044 (340 AA; P25685-1); 27.016 (240 AA; P25685-2)
<b>Observed SDS-PAGE Mass (KDa):</b>	62

### Immunogen

<b>Antibody Immunogen Source:</b>	C-terminal peptide of Pf11_0513 conjugated to KLH
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### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	118 Mix
<b>Antibody Purification:</b>	Protein Affinity purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1.8 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	WB   ICC/IF
<b>Antibody Dilution Recommended:</b>	WB (1:2000), ICC/IF (1:50); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	P. Falciparum
<b>Antibody Positive Control:</b>	0.9 µg/ml of SPC-184 was sufficient for detection of Pf11_0513 in 20 µg of P. falciparum lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~ 62 kDa protein. Specific to P. Falciparum.
<b>Antibody Cross Reactivities:</b>	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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