

# CSP Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54213

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">P06914</a>
<b>Reactivity</b>	Plasmodium yoelii
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	38888
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from the middle of Plasmodium yoelii CSP
<b>Epitope Specificity</b>	101-200/367
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Additional Information

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<b>Other Names</b>	Circumsporozoite protein, CS, CSP
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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<b>Name</b>	CSP {ECO:0000303 PubMed:3102479}
<b>Function</b>	Essential sporozoite protein (By similarity). In the mosquito vector, required for sporozoite development in the oocyst, migration through the vector hemolymph and entry into the vector salivary glands (By similarity). In the vertebrate host, required for sporozoite migration through the host dermis and infection of host hepatocytes (By similarity). Binds to highly sulfated heparan sulfate proteoglycans (HSPGs) on the surface of host hepatocytes (By similarity).

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:P19597}; Lipid-anchor, GPI-anchor. Cytoplasm {ECO:0000250|UniProtKB:P23093}. Note=Localizes to the cytoplasm and the cell membrane in oocysts at day 6 post infection and then gradually distributes over the entire cell surface of the sporoblast and the budding sporozoites. {ECO:0000250|UniProtKB:P23093}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.