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# Datasheet for ABIN1387479 anti-SAG antibody (AA 285-330)



Overview

Quantity:	100 µL
Target:	SAG
Binding Specificity:	AA 285-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SAG antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Retinal S antigen
Isotype:	lgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Rabbit
Purification:	Purified by Protein A.

#### Target Details

Target:	SAG
Alternative Name:	Retinal S antigen/S-antigen (SAG Products)

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Target Details	
Background:	Synonyms: 48 kDa protein, Arrestin 1, Arrestin, ARRS_HUMAN, DKFZp686I1383, Retinal S
	antigen 48 KDa protein, Retinal S-antigen, Rod photoreceptor arrestin, RP47, S AG, S antigen, S
	antigen retina and pineal gland arrestin, S antigen retina and pineal gland, S arrestin, S-AG, S-
	arrestin, SAG.
	Background: Plasmodium falciparum is a protozoan parasite that causes malaria. It exhibits
	considerable antigenic heterogeneity which may be a major problem in developing an effective
	vaccine against malaria. The S-antigen of Plasmodium falciparum is a highly diverse, heat
	stable protein that is located in the parasitophorous vacuole of the mature asexual
	intraerythrocytic parasite. The S-antigen gene consists of multiple alleles that originate from the
	same chromosome site. The amino acid sequence of each allele contains a large central
	section of tandemly arranged, nearly identical peptides that are specific to each allele. Thus,
	directed against the repeat region of a particular allele can be used to define the serotype of an
	S-antigen. Flanking the central repeat block are two short regions of non-repetitive sequence
	which occur in four different forms, each of which is utilized to define a single S-antigen family.
	Comparison of the four S-antigen families reveals t hat they differ considerably from each other
	with variation being most pronounced in the C-terminal-flanking region.
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

## Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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#### Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months