

## ARG41221 anti-GGPS1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GGPS1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Bov
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GGPS1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 16-46 of Human GGPS1.
Conjugation	Un-conjugated
Alternate Names	Farnesyltranstransferase; Geranylgeranyl pyrophosphate synthase; Geranylgeranyl diphosphate synthase; GGPP synthase; Farnesyl diphosphate synthase; GGPPS1; EC 2.5.1.-; EC 2.5.1.10; GGPPS; EC 2.5.1.29; Geranyltranstransferase; GGPPSase; EC 2.5.1.1; 2E,6E; Dimethylallyltranstransferase

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	32 kDa	

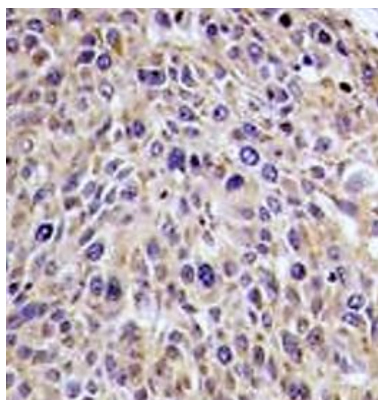
### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

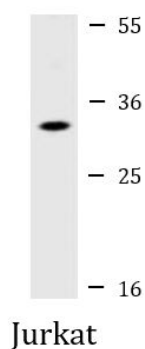
Gene Symbol	GGPS1
Gene Full Name	geranylgeranyl diphosphate synthase 1
Background	This gene is a member of the prenyltransferase family and encodes a protein with geranylgeranyl diphosphate (GGPP) synthase activity. The enzyme catalyzes the synthesis of GGPP from farnesyl diphosphate and isopentenyl diphosphate. GGPP is an important molecule responsible for the C20-prenylation of proteins and for the regulation of a nuclear hormone receptor. Alternate transcriptional splice variants, both protein-coding and non-protein-coding, have been found for this gene. [provided by RefSeq, Sep 2010]
Function	Catalyzes the trans-addition of the three molecules of IPP onto DMAPP to form geranylgeranyl pyrophosphate, an important precursor of carotenoids and geranylated proteins. [UniProt]
Calculated Mw	35 kDa
Cellular Localization	Cytoplasm. [UniProt]

## Images



ARG41221 anti-GGPS1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human hepatocarcinoma tissue stained with ARG41221 anti-GGPS1 antibody.



ARG41221 anti-GGPS1 antibody WB image

Western blot: 20 ug of Jurkat whole cell lysate stained with ARG41221 anti-GGPS1 antibody at 1:1000 dilution.