

Rabbit GGPS1 Polyclonal Antibody | anti-GGPS1 antibody

GGPS1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199930	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

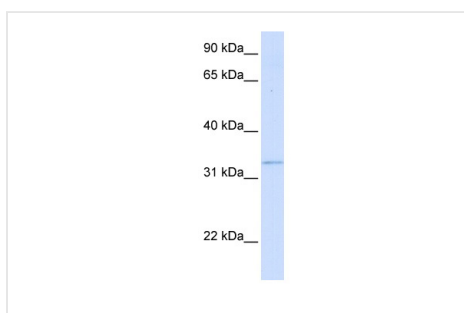
PRODUCT SYNONYMS

GGPS1; Polyclonal Antibody; GGPS1 antibody - middle region; anti-GGPS1 antibody

PRODUCT SPECIFICATIONS

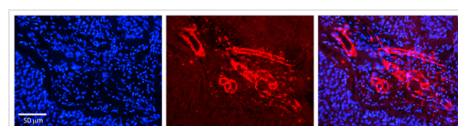
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LG LFFQIRDDYA NLHSKEYSEN KSFCEDLTEG KFSFPTIHAI WSRPESTQ
Sequence Length	300
Applicable Applications for anti-GGPS1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GGPS1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-GGPS1 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:62500
 Positive Control: 293T cell lysate
 GGPS1 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells



IHC (Immunohistochemistry)

Rabbit Anti-GGPS1 Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue
 Observed Staining: Cytoplasmic in endothelial cells in blood vessels
 Primary Antibody Concentration: 1:100
 Other Working Concentrations: 1/600
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-GGPS1 antibody	This is a rabbit polyclonal antibody against GGPS1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: GGPS1 is a member of the prenyltransferase family and has 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. The protein is an important precursor of carotenoids and geranylated proteins. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. 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, encoding different isoforms, have been characterized.
Product Categories/Family for anti-GGPS1 antibody	Polyclonal ; Drugs and Drug Metabolism ; Chromatin & Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	83700220
NCBI GeneID	9453
NCBI Accession #	NP_001032354
NCBI GenBank Nucleotide #	NM_001037277
UniProt Accession #	O95749
Molecular Weight	35kDa
NCBI Official Full Name	geranylgeranyl pyrophosphate synthase
NCBI Official Synonym Full Names	geranylgeranyl diphosphate synthase 1
NCBI Official Symbol	GGPS1
NCBI Official Synonym Symbols	GGPPS; GGPPS1
NCBI Protein Information	geranylgeranyl pyrophosphate synthase
UniProt Protein Name	Geranylgeranyl pyrophosphate synthase
UniProt Gene Name	GGPS1
UniProt Synonym Gene Names	GGPP synthase; GGPPSase
UniProt Entry Name	GGPPS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ggps1-antibody-western-blot-immunohistochemistry-elisa/199930>