

Rabbit anti-Human, mouse GGPS1 Polyclonal Antibody | anti-GGPS1 antibody

GGPS1 Antibody (C-term)

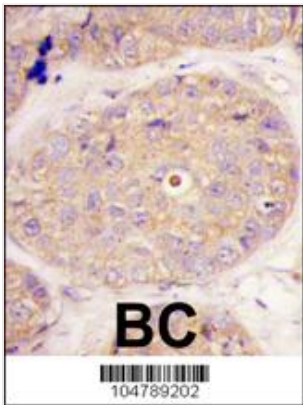
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285394	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

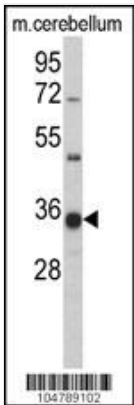
GGPS1; Polyclonal Antibody; GGPS1 Antibody (C-term); Geranylgeranyl pyrophosphate synthase; GGPP synthase; GGPPSase; 251-; (2E; 6E)-farnesyl diphosphate synthase; Dimethylallyltransferase; Farnesyl diphosphate synthase; Farnesyltransferase; Geranylgeranyl diphosphate synthase; Geranyltransferase; anti-GGPS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GGPS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 270-300 amino acids from the C-terminal region of human GGPS1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	270-300
Sequence Length	246
Applicable Applications for anti-GGPS1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with GGPS1 Antibody (C-term)(AAA285394), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis ofGGPS1 Antibody (C-term) in mouse cerebellum tissue lysates (35ug/lane). GGPS1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GGPS1 antibody	Geranylgeranyl diphosphate (GGPP) synthase (GGPS) catalyzes the synthesis of GGPP, a molecule responsible for the C20-prenylation of protein and for the regulation of a nuclear hormone receptor. The deduced 300-amino acid human protein contains 5 conserved domains consistent with prenyltransferases. Recombinant GGPS shows enzymatic properties associated with the synthesis of GGPP from farnesyl diphosphate and isopentenyl diphosphate. Mouse GGPS is regulated in several tissues in obesity and is induced during adipocyte differentiation. GGPS is increased 5- to 20-fold in skeletal muscle, liver, and fat of ob/ob mice. Western blot analysis detects a 2-fold overexpression of protein in muscle and fat but not in liver. Differentiation of mouse fibroblasts into adipocytes induces GGPS expression more than 20-fold.
Product Categories/Family for anti-GGPS1 antibody	Cancer; Cell Biology; Metabolism
References	Kainou, T., et al., Biochim. Biophys. Acta 1437(3):333-340 (1999). Kuzuguchi, T., et al., J. Biol. Chem. 274(9):5888-5894 (1999). Ericsson, J., et al., J. Lipid Res. 39(9):1731-1739 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	83700220
NCBI GeneID	9453
NCBI Accession #	NP_001032354.1
NCBI GenBank Nucleotide #	NM_001037277.1
UniProt Accession #	O95749; Q5T2C8; Q6NW19; A8MVQ8
Molecular Weight	34871
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://www.aaabiotech.com/polyclonal/ggps1-antibody-immunohistochemistry-western-blot-elisa/285394>