

## GGPS1 polyclonal antibody

Catalog: AP6016

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

GGPS1 (geranylgeranyl diphosphate synthase 1), also known as GGPPS, GGPPSase (geranylgeranyl pyrophosphate synthetase) or GGPPS1, is a member of the FPP/GGPP synthetase family of trans-prenyltransferases. Predominantly expressed in testis, heart and skeletal muscle, GGPS1 localizes to the cytoplasm and catalyzes the formation of geranylgeranyl pyrophosphate (GGPP), a precursor of geranylgeranylated proteins and carotenoids. GGPP is a major isoprenoid responsible for the C20-prenylation of proteins and the regulation of the nuclear hormone receptor LXR. More specifically, GGPS1 functions as an oligomeric molecule and mediates the condensation of farnesyl diphosphate (FPP) with isopentenyl diphosphate to yield GGPP. GGPS1 contains five amino acid motifs that are conserved in trans-prenyltransferases and three potential N-glycosylation sites.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 35 kDa

### Swiss-Prot:

O95749

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

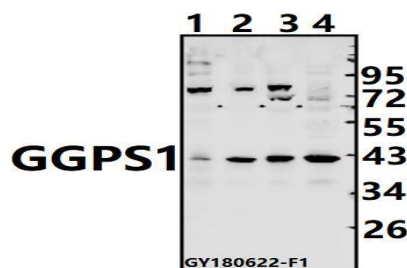
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

GGPS1 polyclonal antibody detects endogenous levels of GGPS1 protein.

### DATA:



Western blot (WB) analysis of GGPS1 pAb at 1:500 dilution

Lane1:C6 whole cell lysate(40ug)

Lane2:3T3-L1 whole cell lysate(40ug)

Lane3:A375 whole cell lysate(40ug)

Lane4:K562 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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