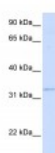




GGPS1 Antibody

CATALOG NUMBER: 26-323



Antibody used in WB on Human HEK293T cells at 0.2-1 ug/ml.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	GGPS1 antibody can be used for detection of GGPS1 by ELISA at 1:62500. GGPS1 antibody can be used for detection of GGPS1 by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) 293T Cell Lysate
PREDICTED MOLECULAR WEIGHT:	35 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human GGPS1.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4°C. For longer periods of storage, store GGPS1 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	GGPS1, GGPPS, GGPPS1
ACCESSION NO.:	NP_001032354
PROTEIN GI NO.:	83700220

OFFICIAL SYMBOL: GGPS1

GENE ID: 9453

Background

BACKGROUND: 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.

REFERENCES: 1) Raz, T., (2007) Blood 110 (6), 2102-2109.

FOR RESEARCH USE ONLY

December 12, 2016