


Anti-GGPS1 antibody ab155584

[1 References](#) [2 Images](#)

Overview

Product name	Anti-GGPS1 antibody
Description	Rabbit polyclonal to GGPS1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Xenopus laevis, Xenopus tropicalis 
Immunogen	Recombinant fragment, corresponding to a region within amino acids 105-300 of Human GGPS1 (Uniprot ID: O95749).
Positive control	PC3 and SK-N-SH whole cell lysates; Human BT483 xenograft tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab155584 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000 - 1/20000. Predicted molecular weight: 35 kDa.
IHC-P		1/100 - 1/1000.

Target

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.

Tissue specificity

Abundantly expressed in testis. Found in other tissues to a lower extent.

Pathway

Isoprenoid biosynthesis; farnesyl diphosphate biosynthesis; farnesyl diphosphate from geranyl diphosphate and isopentenyl diphosphate: step 1/1.

Isoprenoid biosynthesis; geranyl diphosphate biosynthesis; geranyl diphosphate from dimethylallyl diphosphate and isopentenyl diphosphate: step 1/1.

Isoprenoid biosynthesis; geranylgeranyl diphosphate biosynthesis; geranylgeranyl diphosphate from farnesyl diphosphate and isopentenyl diphosphate: step 1/1.

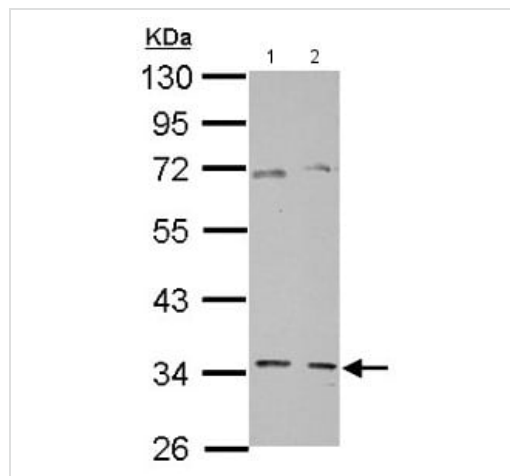
Sequence similarities

Belongs to the FPP/GGPP synthase family.

Cellular localization

Cytoplasm.

Images



Western blot - Anti-GGPS1 antibody (ab155584)

All lanes : Anti-GGPS1 antibody (ab155584) at 1/10000 dilution

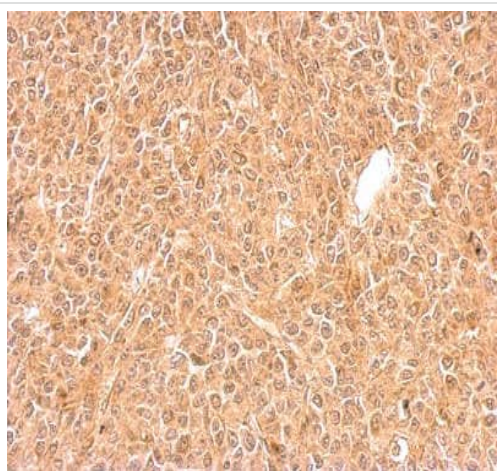
Lane 1 : PC3 whole cell lysate

Lane 2 : SK-N-SH whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 35 kDa

10% SDS PAGE



Immunohistochemical analysis of paraffin-embedded Human BT483 xenograft tissue labeling GGPS1 with ab155584 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GGPS1 antibody (ab155584)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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