GGPS1 Polyclonal antibody
Catalog Number: 14944-1-AP

Basic Information

Catalog Number: 14944-1-AP
Size: 150μl
Concentration: 400 μg/ml by Nanodrop and 233 μg/ml by Bradford method using BSA as the standard
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG6745

GenBank Accession Number: BC067768
GeneID (NCBI): 9453
Full Name: geranylgeranyl diphosphate synthase 1

Calculated MW: 35 kDa
Observed MW: 35 kDa

Purification Method: Antigen affinity purification
Recommended Dilutions:
WB: 1:500-1:1000
IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
IHC: 1:20-1:100

Applications

Tested Applications: IHC, IP, WB, ELISA
Cited Applications: FC, IF, IHC, WB

Species Specificity: human, mouse
Cited Species: human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

GGPS1 (Geranylgeranyl pyrophosphate synthase) belongs to the FPP/GGPP synthase family and catalyzes the synthesis of GGPP, an important molecule responsible for the C20-prenylation of protein and for the regulation of a nuclear hormone receptor. GGPP synthase purified from bovine brain is reported to be a homo-oligomer (150-195 kDa) with a molecular mass of 37.5 kDa for the monomer. This is consistent with the calculated molecular mass (35 kDa) of mouse and human GGPP synthases (PMID:10101267).

Notable Publications

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<th>Author</th>
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<tr>
<td>Dahuan Li</td>
<td>34530204</td>
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<td>Xiaoxia Wang</td>
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<td>Wujian Xu</td>
<td>30652497</td>
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Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquotting is unnecessary for -20°C storage

*** 20μl sizes contain 0.1% BSA

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E: proteintechn@ptglab.com
W: ptglab.com

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mouse brain tissue were subjected to SDS PAGE followed by western blot with 14944-1-AP (GGPS1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human kidney using 14944-1-AP (GGPS1 antibody) at dilution of 1:100 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human kidney using 14944-1-AP (GGPS1 antibody) at dilution of 1:100 (under 40x lens).