SYAP1
Polyclonal ANTIBODY
Catalog Number: 16272-1-AP

Basic Information
Catalog Number: 16272-1-AP
Size: 29 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG9342
GenBank Accession Number: BC014657
GeneID (NCBI): 94056
Full Name: synapse associated protein 1, SAP47 homolog (Drosophila)
Calculated MW: 352aa, 40 kDa
Observed MW: 50-55 kDa

Recommended Dilutions:
- WB: 1:500-1:1000
- IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
- IHC: 1:200

Applications
Tested Applications: IF, IHC, IP, WB, ELISA
Cited Applications: IF, WB
Species Specificity: human
Cited Species: mouse

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

Positive Controls:
- WB: HEK-293 cells; A431 cells, HepG2 cells, L02 cells, SMMC-7721 cells
- IP: L02 cells
- IHC: human cervical cancer tissue; human small intestine tissue
- IF: HepG2 cells; A431 cells

Background Information
SYAP1 (synapse-associated protein 1) is a human homologue of the Drosophila SAP47 (synapse-associated protein), which is recognized by a monoclonal antibody that selectively stains synaptic terminals. This protein is a 352 amino acid protein that is ubiquitously expressed in adult tissues. SYAP1 contains one BSD domain which is an approximately 60 amino acid long protein domain named after the BTF2-like transcription factors. Synapse-associated proteins and DOS2-like proteins in which it is found.

Notable Publications
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<th>Author</th>
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<tr>
<td>Dominique Schmitt</td>
<td>27344443</td>
<td>Histochem Cell Biol</td>
<td>WB, IF</td>
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<td>Cora R von Collenberg</td>
<td>31168125</td>
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Storage
Storage:
- Store at -20°C. Stable for one year after shipment.
- Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
- T: 1(888) 4PTGLAB (1-888-478-4522) toll free in USA, or 1(312) 455-8498 (outside USA)
- E: proteintech@ptglab.com
- W: ptglab.com

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HEK-293 cells were subjected to SDS PAGE followed by western blot with 16272-1-AP (SYAP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

IP Result of anti-SYAP1 (IP: 16272-1-AP, 4μg; Detection: 16272-1-AP 1:500) with L02 cells lysate 1800μg.

Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 16272-1-AP (SYAP1 Antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 16272-1-AP (SYAP1 Antibody) at dilution of 1:50 (under 40x lens).

Immunofluorescent analysis of HepG2 cells using 16272-1-AP (SYAP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).