

For Research Use Only

SYAP1 Monoclonal antibody

Catalog Number: 68410-1-Ig



Basic Information

Catalog Number: 68410-1-Ig	GenBank Accession Number: BC014657	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 94056	CloneNo.: 2E12A5
Source: Mouse	Full Name: synapse associated protein 1, SAP47 homolog (Drosophila)	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:400-1:1600
Isotype: IgG2b	Calculated MW: 352 aa, 40 kDa	
Immunogen Catalog Number: AG9626	Observed MW: 50-55 kDa	

Applications

Tested Applications:

IF, IP, WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : U2OS cells, A549 cells, LNCaP cells, HeLa cells,
Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

IP : L02 cells,

IF : HepG2 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 stain 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.

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.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

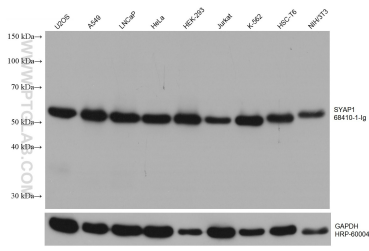
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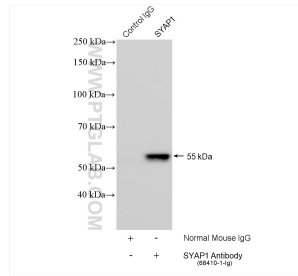
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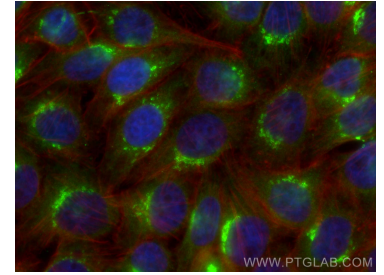
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68410-1-Ig (SYAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



IP result of anti-SYAP1 (IP:68410-1-Ig, 4ug; Detection:68410-1-Ig 1:2000) with L02 cells lysate 3080 ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SYAP1 antibody (68410-1-Ig, Clone: 2E12A5) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).