

## SAPAP1 Monoclonal Antibody

<b>Catalog No :</b>	YM0574
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	SAPAP1
<b>Fields :</b>	>>Glutamatergic synapse
<b>Gene Name :</b>	DLGAP1
<b>Protein Name :</b>	Disks large-associated protein 1
<b>Human Gene Id :</b>	9229
<b>Human Swiss Prot No :</b>	O14490
<b>Mouse Swiss Prot No :</b>	Q9D415
<b>Immunogen :</b>	Purified recombinant fragment of human SAPAP1 expressed in E. Coli.
<b>Specificity :</b>	SAPAP1 Monoclonal Antibody detects endogenous levels of SAPAP1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	109kD

- P References :**
1. Am J Hum Genet. 2009 Nov;85(5):628-42.
  2. Genes Immun. 2010 Apr;11(3):232-8.

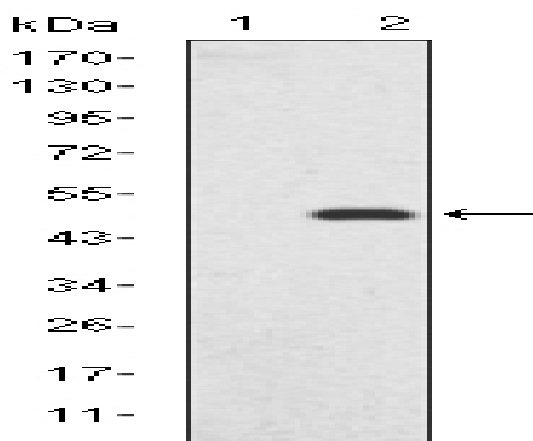
**Background :** function:Part of the postsynaptic scaffold in neuronal cells.,similarity:Belongs to the SAPAP family.,subcellular location:Found in postsynaptic density of neuronal cells.,subunit:Interacts with guanylate kinase-like domain of DLG1, DLG2, DLG3, DLG4 and AIP1. Interacts with the PDZ domain of SHANK1, SHANK2 and SHANK3. Found in a complex with DLG4 and SHANK1, SHANK2 or SHANK3. Found in a complex with DLG4 and BEGAIN. Interacts with DYL2 and LRFN1.,tissue specificity:Expressed in brain.,

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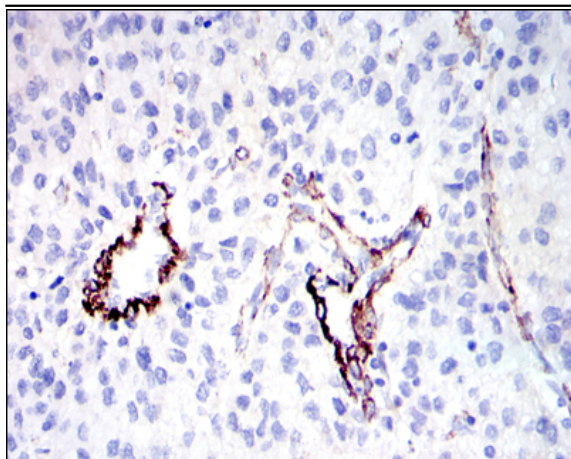
**Subcellular Location :** Cell membrane ; Peripheral membrane protein . Cell junction, synapse, postsynaptic density . Cell junction, synapse .

**Expression :** Expressed in brain.

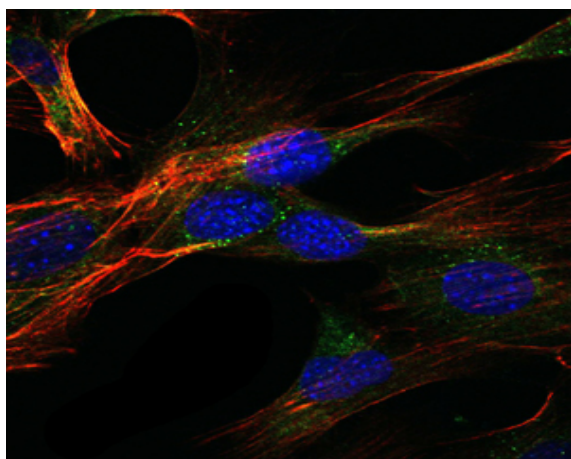
## Products Images



Western Blot analysis using SAPAP1 Monoclonal Antibody against HEK293 (1) and GKAP-hlgGfC transfected HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human liver cancer tissues with DAB staining using SAPAP1 Monoclonal Antibody.



Immunofluorescence analysis of NIH/3T3 cells using SAPAP1 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

