

SAPAP1 Monoclonal Antibody

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

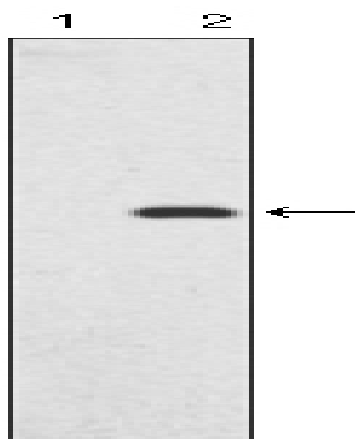
Cell membrane ; Peripheral membrane protein . Cell junction, synapse, postsynaptic density . Cell junction, synapse .

Expression :

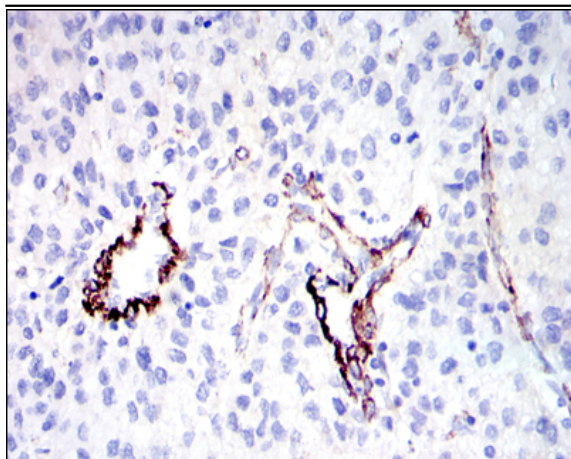
Expressed in brain.

Products Images

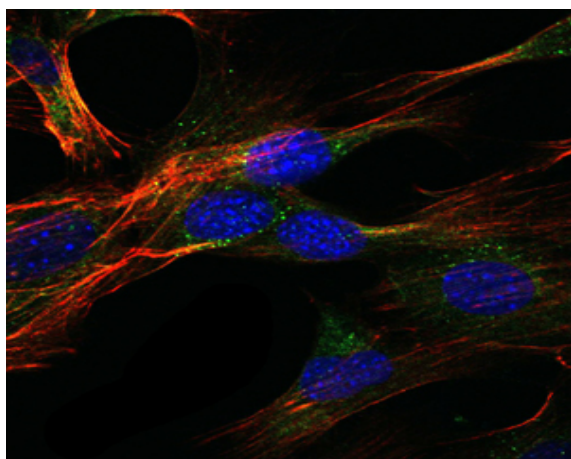
kDa
170 -
130 -
95 -
72 -
55 -
43 -
34 -
26 -
17 -
11 -



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.

