

Mouse anti-Human SAPAP1 Monoclonal Antibody | anti-SAPAP1 antibody

SAPAP1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320224	Mouse	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

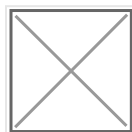
PRODUCT SYNONYMS

SAPAP1; Monoclonal Antibody; SAPAP1 Monoclonal Antibody; Disks large-associated protein 1; DLGAP1; DAP1; GKAP; DAP-1; Guanylate kinase-associated protein; hGKAP; PSD-95/SAP90-binding protein 1; SAP90/PSD-95-associated protein 1; anti-SAPAP1 antibody

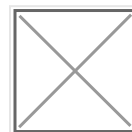
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	SAPAP1 Monoclonal Antibody detects endogenous levels of SAPAP1 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-SAPAP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human SAPAP1 expressed in E coli.
Modification	Unmodified/Total
Function	Part of the postsynaptic scaffold in neuronal cells. 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.
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



Application Data


IF (Immunofluorescence)

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.

**IHC (Immunohistochemistry)**

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

**WB (Western Blot)**

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

ADDITIONAL INFORMATION

Product Categories/Family for anti-SAPAP1 antibody

Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	51339031
NCBI GeneID	9229
NCBI Accession #	NP_001003809.1
NCBI GenBank Nucleotide #	NM_001003809.2
UniProt Accession #	O14490; O14489; P78335; A8MWN8; B2RMU8; B7WPA1; B7Z2H2; B7Z2I2; B7Z9Y4
Molecular Weight	108,873 Da
NCBI Official Full Name	disks large-associated protein 1 isoform 2
NCBI Official Synonym Full Names	discs, large (Drosophila) homolog-associated protein 1
NCBI Official Symbol	DLGAP1
NCBI Official Synonym Symbols	GKAP; DAP-1; hGKAP; SAPAP1; DAP-1-BETA; DAP-1-ALPHA
NCBI Protein Information	disks large-associated protein 1; PSD-95/SAP90 binding protein 1; SAP90/PSD-95-associated protein 1; guanylate kinase-associated protein
UniProt Protein Name	Disks large-associated protein 1
UniProt Gene Name	DLGAP1
UniProt Synonym Gene Names	DAP1; GKAP; DAP-1; hGKAP; SAPAP1
UniProt Entry Name	DLGP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sapap1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320224>