

Anti-GKAP Antibody

Catalog # AP60718

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O14490
Reactivity	Human, Mouse, Rat, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	108873

Additional Information

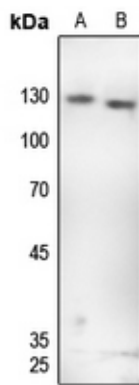
Gene ID	9229
Other Names	DAP1; GKAP; Disks large-associated protein 1; DAP-1; Guanylate kinase-associated protein; hGKAP; PSD-95/SAP90-binding protein 1; SAP90/PSD-95-associated protein 1; SAPAP1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GKAP. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

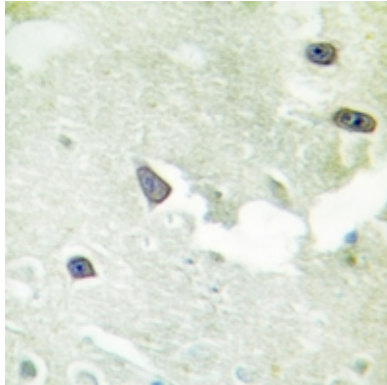
Name	DLGAP1
Synonyms	DAP1, GKAP
Function	Part of the postsynaptic scaffold in neuronal cells.
Cellular Location	Cell membrane; Peripheral membrane protein. Postsynaptic density. Synapse
Tissue Location	Expressed in brain.

Images

Western blot analysis of GKAP expression in H446 (A),



mouse brain (B) whole cell lysates. (Predicted band size: 108 kD; Observed band size: 130 kD)



Immunohistochemical analysis of GKAP staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of GKAP staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.