

GKAP Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1588a**Specification****GKAP Antibody - Product Information**

Application	E, WB, IHC, IF
Primary Accession	O14490
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	109kDa KDa

Description

Function: Part of the postsynaptic scaffold in neuronal cells. Tissue specificity: Expressed in brain.

Immunogen

Purified recombinant fragment of human GKAP expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

GKAP Antibody - Additional Information

Gene ID 9229

Other Names

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, DLGAP1, DAP1, GKAP

Dilution

E~~1/10000
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
IF~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GKAP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GKAP Antibody - 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.

GKAP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

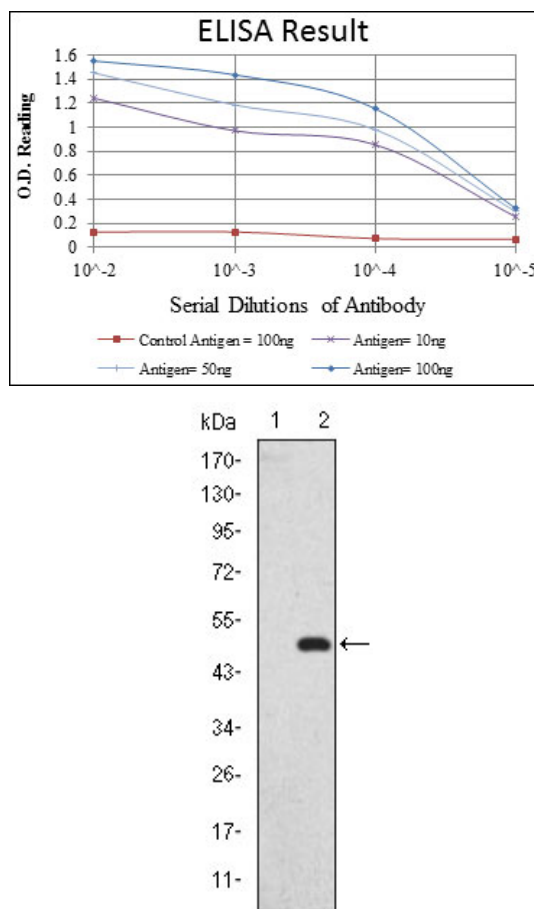


Figure 1: Western blot analysis using GKAP mAb against HEK293 (1) and GKAP(AA: 490-663)-hIgGFc

transfected HEK293 (2) cell lysate.

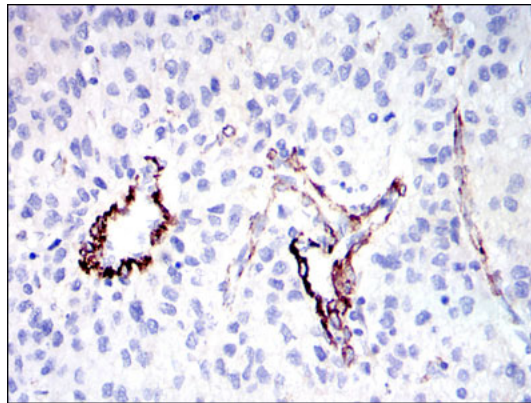


Figure 2: Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using GKAP mouse mAb with DAB staining.

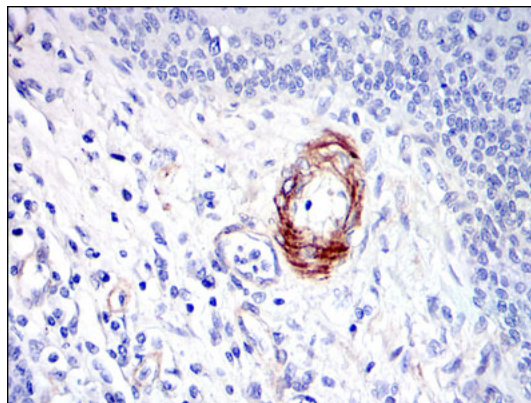


Figure 3: Immunohistochemical analysis of paraffin-embedded human esophagus tissues using GKAP mouse mAb with DAB staining.

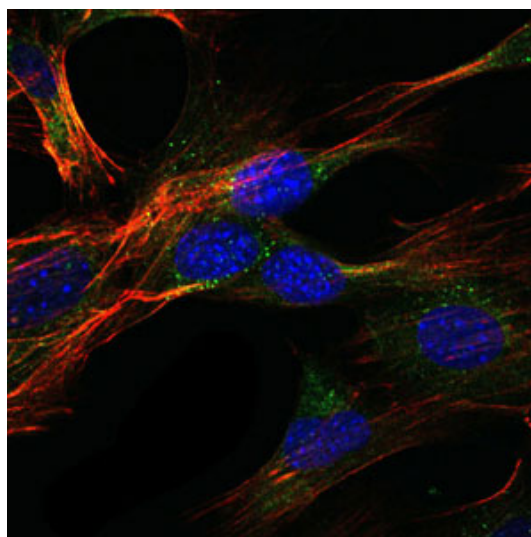


Figure 4: Immunofluorescence analysis of NIH/3T3 cells using GKAP mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

GKAP Antibody - References

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