



AKAP 79 rabbit pAb

Cat No.:ES1622

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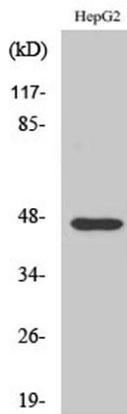
Overview

Product Name	AKAP 79 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human AKAP5. AA range:1-50
Specificity	AKAP 79 Polyclonal Antibody detects endogenous levels of AKAP 79 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	A-kinase anchor protein 5
Gene Name	AKAP5
Cellular localization	Postsynaptic recycling endosome membrane ; Lipid-anchor . Associates with lipid rafts. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	47kD
Human Gene ID	9495
Human Swiss-Prot Number	P24588
Alternative Names	AKAP5; AKAP79; A-kinase anchor protein 5; AKAP-5; A-kinase anchor protein 79 kDa; AKAP 79; H21; cAMP-dependent protein kinase regulatory subunit II high affinity-binding protein
Background	The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the



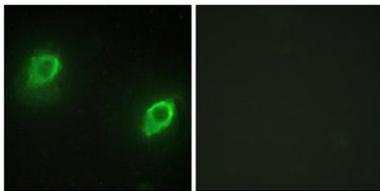


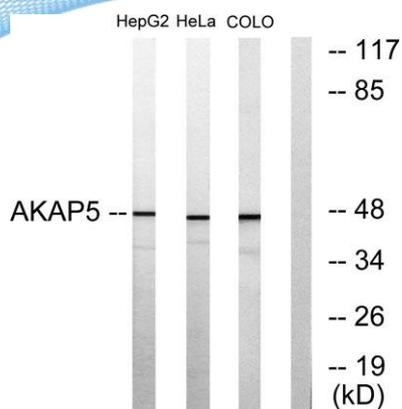
common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein binds to the RII-beta regulatory subunit of PKA, and also to protein kinase C and the phosphatase calcineurin. It is predominantly expressed in cerebral cortex and may anchor the PKA protein at postsynaptic densities (PSD) and be involved in the regulation of postsynaptic events. It is also expressed in T lymphocytes and may function to inhibit interleukin-2 transcription by disrupting calcineurin-dependent dephosphorylation of NFAT. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using AKAP 79 Polyclonal Antibody diluted at 1:1000

Immunofluorescence analysis of HeLa cells, using AKAP5 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from HepG2, HeLa, and COLO205 cells, using AKAP5 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

