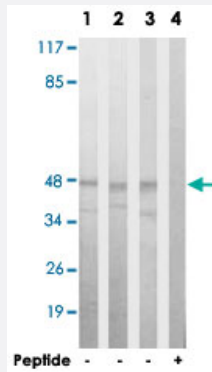


AKAP5 polyclonal antibody

Catalog # PAB17356 Size 100 ug

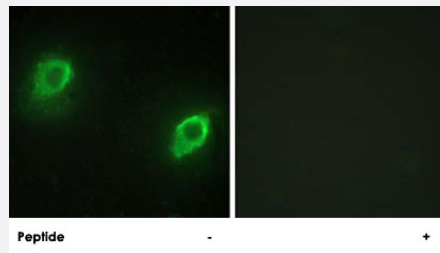
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HepG2 cells (Lane 1), HeLa cells (Lane 2) and COLO 205 cells (Lane 3 and lane 4), using AKAP5 polyclonal antibody (Cat # PAB17356).

Peptide "+" means "with peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using AKAP5 polyclonal antibody (Cat # PAB17356).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AKAP5.
Immunogen	A synthetic peptide corresponding to N-terminus of human AKAP5.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total AKAP5 protein.
Form	Liquid

Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:500-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HepG2 cells (Lane 1), HeLa cells (Lane 2) and COLO 205 cells (Lane 3 and lane 4), using AKAP5 polyclonal antibody (Cat # PAB17356).
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- Immunofluorescence

Immunofluorescence analysis of HeLa cells, using AKAP5 polyclonal antibody (Cat # PAB17356).
Peptide "+" means "with peptide blocking".

Gene Info — AKAP5

Entrez GeneID	9495
Protein Accession#	P24588
Gene Name	AKAP5
Gene Alias	AKAP75, AKAP79, H21
Gene Description	A kinase (PRKA) anchor protein 5
Omim ID	604688
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

A-kinase anchor protein 5|A-kinase anchor protein, 79kDa|A-kinase anchoring protein 75/79|cAMP-dependent protein kinase regulatory subunit II high affinity binding protein

Publication Reference

- [Localization of the cAMP-dependent protein kinase to the postsynaptic densities by A-kinase anchoring proteins. Characterization of AKAP 79.](#)

Carr DW, Stofko-Hahn RE, Fraser ID, Cone RD, Scott JD.

The Journal of Biological Chemistry 1992 Aug; 267(24):16816.

Application: WB-Ti, Human, Human brain

- [Cloning and expression of an intron-less gene for AKAP 75, an anchor protein for the regulatory subunit of cAMP-dependent protein kinase II beta.](#)

Hirsch AH, Glantz SB, Li Y, You Y, Rubin CS.

The Journal of Biological Chemistry 1992 Feb; 267(4):2131.