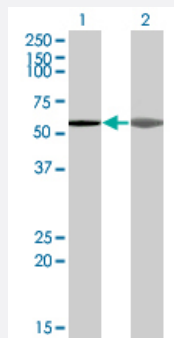


# AKAP5 monoclonal antibody (M04), clone 1A9

Catalog # H00009495-M04

Size 100 ug

## Applications

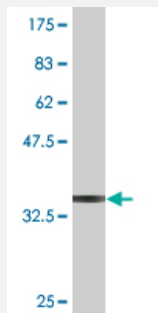


### Western Blot (Transfected lysate)

Western Blot analysis of AKAP5 expression in transfected 293T cell line by AKAP5 monoclonal antibody (M04), clone 1A9.

Lane 1: AKAP5 transfected lysate (47.1 kDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.08 kDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant AKAP5.
<b>Immunogen</b>	AKAP5 (NP_004848.2, 334 a.a. ~ 427 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.
<b>Sequence</b>	RMEPIAIIITDTEISEFDVTKSKNVPKQFLISAENEQVGVFANDNGFEDRTSEQYETLLIETASSLVKN AIQLSIEQLVNEMASDDNKINLLQ
<b>Host</b>	Mouse
<b>Reactivity</b>	Human

Interspecies Antigen Sequence	Mouse (48); Rat (47)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.08 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of AKAP5 expression in transfected 293T cell line by AKAP5 monoclonal antibody (M04), clone 1A9.

Lane 1: AKAP5 transfected lysate(47.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — AKAP5

Entrez GeneID	<a href="#">9495</a>
GeneBank Accession#	<a href="#">NM_004857</a>
Protein Accession#	<a href="#">NP_004848.2</a>
Gene Name	AKAP5
Gene Alias	AKAP75, AKAP79, H21
Gene Description	A kinase (PRKA) anchor protein 5
Omim ID	<a href="#">604688</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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