

AKAP5

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:100 - 1:200 IF 1:50 - 1:100

Calculated MW: 47kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human AKAP5

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

H21; AKAP75; AKAP79;

Catalog #: A6520

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 9495

Isotype: IgG

Swiss Prot: P24588

Purity: Affinity purification

For research use only.

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.

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