

Anti-AKAP5 / AKAP79 Antibody (N-Terminus)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18446**Specification**

Anti-AKAP5 / AKAP79 Antibody (N-Terminus) - Product Information

Application	WB, IHC-P, IP
Primary Accession	P24588
Predicted	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47088

Anti-AKAP5 / AKAP79 Antibody (N-Terminus) - Additional Information**Gene ID** 9495**Alias Symbol** AKAP5
Other Names

AKAP5, A-kinase anchor protein 79 kDa, A-kinase anchor protein, 79kDa, A-kinase anchor protein 79, A-kinase anchor protein 5, AKAP-5, AKAP75, AKAP 79, AKAP79, H21

Target/Specificity

Recognizes endogenous levels of AKAP5 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-AKAP5 / AKAP79 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-AKAP5 / AKAP79 Antibody (N-Terminus) - Protein Information**Name** AKAP5**Synonyms** AKAP79**Function**

Multivalent scaffold protein that anchors the cAMP-dependent protein kinase/PKA to cytoskeletal and/or organelle-associated proteins, targeting the signal carried by cAMP to specific intracellular effectors (PubMed: <http://www.uniprot.org/citations/1512224> target="_blank">1512224). Association with the beta2- adrenergic receptor (beta2-AR) not only regulates beta2-AR signaling pathway, but also the activation by PKA by switching off the beta2-AR signaling cascade. Plays a role in long term synaptic potentiation by regulating protein trafficking from the dendritic recycling endosomes to the plasma membrane and controlling both structural and functional plasticity at excitatory synapses (PubMed: <http://www.uniprot.org/citations/25589740> target="_blank">25589740). Associates

with ORAI1 pore-forming subunit of CRAC channels in Ca(2+) signaling microdomains where it recruits NFATC2/NFAT1 and couples store-operated Ca(2+) influx to calmodulin and calcineurin signaling and activation of NFAT-dependent transcriptional responses.

Cellular Location

Postsynaptic recycling endosome membrane; Lipid- anchor. Note=Associates with lipid rafts

Tissue Location

Predominantly in the cerebral cortex and the postsynaptic densities of the forebrain, and to a lesser extent in adrenal medulla, lung and anterior pituitary

Anti-AKAP5 / AKAP79 Antibody (N-Terminus) - 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](#)

Anti-AKAP5 / AKAP79 Antibody (N-Terminus) - Images