

## Product datasheet for **TA341549**

### AKAP5 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-AKAP5 antibody: synthetic peptide directed towards the middle region of human AKAP5. Synthetic peptide located within the following region: KQFLISAENEQVGVFANDNGFEDRTSEQYETLLIETASSLVKNAIQLSIE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47 kDa
Gene Name:	A-kinase anchoring protein 5
Database Link:	<a href="#">NP_004848</a> <a href="#">Entrez Gene 9495 Human</a> <a href="#">P24588</a>



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**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]

**Synonyms:**

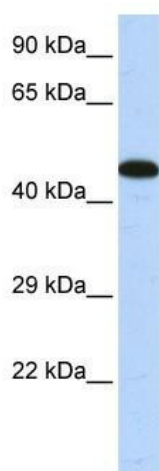
AKAP75; AKAP79; H21

**Note:**

Immunogen Sequence Homology: Human: 100%; Dog: 86%; Pig: 86%; Horse: 86%; Bovine: 86%; Yeast: 82%; Rat: 79%; Mouse: 79%

**Protein Families:**

Druggable Genome

**Product images:**

WB Suggested Anti-AKAP5 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: Human Muscle