

**Name: Purified Goat Polyclonal Antibody against AKAP3**  
**Product Data Sheet**

**Catalog: TA302929**

**Gene Name:** Homo sapiens A kinase (PRKA) anchor protein 3 (AKAP3)

**GeneBank accession:** NM\_006422  
**Isotype:** Goat IgG

**Gene Synonym:** AKAP110; CT82; FSP95; PRKA3; SOB1

**Validation Data:**

**Reactivity:** Human

**Western Blot**

**Immunogen:** Peptide with sequence C-TPLQLLDWLMVNL, from the C Terminus of the protein sequence according to NP\_006413.

**Components:**

- 100ug Purified Goat Polyclonal Antibody against AKAP3 (TA302929)

**Concentration:** 0.5 mg/ml

**Recommended application dilutions:**

ELISA: 1:32,000. WB: 1-3µg/ml.

**Storage Condition:**

Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

**Buffer:**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

**Purification:** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**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, and is expressed in testis only. The encoded protein contains an RII-binding domain, and is predicted to participate in protein-protein interactions with the R-subunit of the PKA. This protein is localized to the ribs of the fibrous sheath in the principal piece of the sperm tail. It may function as a regulator of both motility- and head-associated functions such as capacitation and the acrosome reaction.



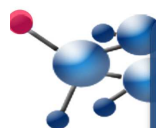
TA302929 (1µg/ml) staining of Human Testis lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Related Product:**

TrueORF cDNA clones  
 VERIFY Tagged Antigen lysates  
 HuSH-29 shRNA  
 Western Blot reagents  
 Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***



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