

**AKAP10 / D-AKAP2 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2402a****Specification**

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**AKAP10 / D-AKAP2 Antibody (C-Term) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O43572</a>
Other Accession	<a href="#">NP_009133.2</a> , <a href="#">11216</a> , <a href="#">56697 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	73818

**AKAP10 / D-AKAP2 Antibody (C-Term) - Additional Information****Gene ID** 11216**Other Names**

A-kinase anchor protein 10, mitochondrial, AKAP-10, Dual specificity A kinase-anchoring protein 2, D-AKAP-2, Protein kinase A-anchoring protein 10, PRKA10, AKAP10

**Dilution**

WB~~1:1000

E~~N/A

**Format**

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

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AKAP10 / D-AKAP2 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AKAP10 / D-AKAP2 Antibody (C-Term) - Protein Information****Name** AKAP10**Function**

Differentially targeted protein that binds to type I and II regulatory subunits of protein kinase A and anchors them to the mitochondria or the plasma membrane. Although the physiological

relevance between PKA and AKAPS with mitochondria is not fully understood, one idea is that BAD, a proapoptotic member, is phosphorylated and inactivated by mitochondria-anchored PKA. It cannot be excluded too that it may facilitate PKA as well as G protein signal transduction, by acting as an adapter for assembling multiprotein complexes. With its RGS domain, it could lead to the interaction to G- alpha proteins, providing a link between the signaling machinery and the downstream kinase (By similarity).

#### **Cellular Location**

Mitochondrion. Membrane. Cytoplasm. Note=Predominantly mitochondrial but also membrane associated and cytoplasmic

#### **AKAP10 / D-AKAP2 Antibody (C-Term) - 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](#)

#### **AKAP10 / D-AKAP2 Antibody (C-Term) - Images**



AF2402a (0.3ug/ml) staining of Human Testis lysate (35ug protein in RIPA buffer. Primary incubation was 1 hour. Detected by chemiluminescence.

#### **AKAP10 / D-AKAP2 Antibody (C-Term) - References**

D-AKAP2, a novel protein kinase A anchoring protein with a putative RGS domain. Huang LJ, Durick K, Weiner JA, Chun J, Taylor SS. Proc Natl Acad Sci U S A. 1997 Oct 14;94(21):11184-9. PMID: 9326583