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# AKAP6 Antibody (N-Term)

**Peptide-affinity purified goat antibody**
**Catalog # AF2401a**

## Specification

### AKAP6 Antibody (N-Term) - Product Information

| | |
|---|---|
| Application | **WB, E** |
| Primary Accession | Q13023 |
| Other Accession | NP_004265.3, 9472, 238161 (mouse), 64553 (rat) |
| Reactivity | **Mouse** |
| Predicted | **Human, Rat, Pig, Dog, Cow** |
| Host | **Goat** |
| Clonality | **Polyclonal** |
| Concentration | **0.5 mg/ml** |
| Isotype | **IgG** |
| Calculated MW | **256720** |

### AKAP6 Antibody (N-Term) - Additional Information

**Gene ID** 9472

**Other Names**
A-kinase anchor protein 6, AKAP-6, A-kinase anchor protein 100 kDa, AKAP 100, Protein kinase A-anchoring protein 6, PRKA6, mAKAP, AKAP6, AKAP100, KIAA0311

**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**
AKAP6 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

### AKAP6 Antibody (N-Term) - Protein Information

**Name** AKAP6

**Synonyms** AKAP100, KIAA0311

**Function**
Binds to type II regulatory subunits of protein kinase A and anchors/targets them to the nuclear membrane or sarcoplasmic reticulum. May act as an adapter for assembling multiprotein complexes.

**Cellular Location**
Sarcoplasmic reticulum. Nucleus membrane. Note=In heart muscle. Participation of multiple targeting signals allow correct intracellular targeting. These may be repeated motifs rich in basic and hydrophobic amino acids, palmitoylated/myristoylated motifs or alternatively splice targeting sequences

**Tissue Location**
Highly expressed in cardiac and skeletal muscle, followed by brain

## AKAP6 Antibody (N-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 Cytomety
- Cell Culture

## AKAP6 Antibody (N-Term) - Images

## AKAP6 Antibody (N-Term) - References

Cloning and characterization of A-kinase anchor protein 100 (AKAP100). A protein that targets A-kinase to the sarcoplasmic reticulum. McCartney S, Little BM, Langeberg LK, Scott JD. J Biol Chem. 1995 Apr 21;270(16):9327-33. PMID: 7721854