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Datasheet for ABIN4996266

## anti-AKAP6 antibody (AA 1451-1650) (Alexa Fluor 680)

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | AKAP6 (Akap6)   |
| Binding Specificity: | AA 1451-1650  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This AKAP6 antibody is conjugated to Alexa Fluor 680  |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human AKAP6 |
| Isotype:              | IgG   |
| Predicted Reactivity: | Human,Mouse,Rat,Cow,Horse,Rabbit                          |
| Purification:         | Purified by Protein A.                                    |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | AKAP6 (Akap6)  |
| Alternative Name: | AKAP6 ( <a href="#">Akap6 Products</a> )   |
| Background:       | Synonyms: A kinase PRKA anchor protein 6, A kinase anchor protein 100, A kinase anchor |

## Target Details

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protein 100 kDa, A kinase anchor protein 6, ADAP 100, ADAP 6, ADAP100, ADAP6, AKAP 100, AKAP 6, AKAP100, Human A kinase anchor protein AKAP100, KIAA0311, mAKAP, PRKA 6, PRKA6, Protein kinase A anchoring protein 6, AKAP6\_HUMAN.

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. AKAP6 is a member of the AKAP family. It is highly expressed in various brain regions and cardiac and skeletal muscle. It is specifically localized to the sarcoplasmic reticulum and nuclear membrane, and is involved in anchoring PKA to the nuclear membrane or sarcoplasmic reticulum.

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Gene ID: 9472

Pathways: [cAMP Metabolic Process](#), [Regulation of Muscle Cell Differentiation](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months