

Datasheet for ABIN2775175  
**anti-AKAP10 antibody (Middle Region)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	AKAP10
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Rabbit, Cow, Dog, Horse, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKAP10 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human AKAP10
Sequence:	ESLYQRTYAG KMTFGRVSDL GQFIRESEPE PDVRKSKGSM FSQAMKKWVQ
Predicted Reactivity:	Cow: 93%, Dog: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 93%, Rabbit: 93%, Rat: 93%, Zebrafish: 90%
Characteristics:	This is a rabbit polyclonal antibody against AKAP10. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	AKAP10
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## Target Details

Alternative Name:	AKAP10 ( <a href="#">AKAP10 Products</a> )
Background:	<p>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 interacts with both the type I and type II regulatory subunits of PKA, therefore, it is a dual-specific AKAP. This protein is highly enriched in mitochondria. It contains RGS (regulator of G protein signalling) domains, in addition to a PKA-RII subunit-binding domain. The mitochondrial localization and the presence of RGS domains may have important implications for the function of this protein in PKA and G protein signal transduction.</p> <p>Alias Symbols: D-AKAP2, MGC9414, PRKA10</p> <p>Protein Interaction Partner: COG3, DCTN4, MYH9, PRKAR1A, HAX1, SLC9A3R1, PDZK1, PRKAR2B, PRKAR2A,</p> <p>Protein Size: 662</p>
Molecular Weight:	71 kDa
Gene ID:	11216
NCBI Accession:	<a href="#">NM_007202</a> , <a href="#">NP_009133</a>
UniProt:	<a href="#">O43572</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 662 AA
Restrictions:	For Research Use only

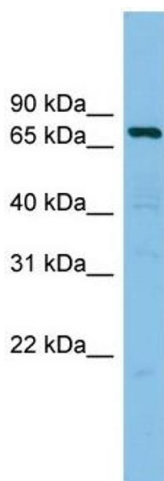
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

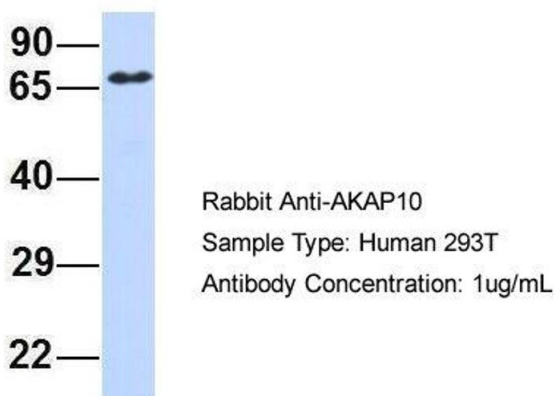
## Images



### Western Blotting

**Image 1.** WB Suggested Anti-AKAP10 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: RPMI 8226 cell lysate

## AKAP10



### Western Blotting

**Image 2.** Host: Rabbit Target Name: AKAP10 Sample Type: 293T Antibody Dilution: 1.0ug/ml AKAP10 is supported by BioGPS gene expression data to be expressed in HEK293T