

Datasheet for ABIN2774616  
**anti-AKAP7 antibody (Middle Region)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	AKAP7
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Dog, Rabbit, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKAP7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human AKAP7
Sequence:	TLLVMQLLNE DEVNIGIDAL LELKPFIEEL LQGKHLTLPF QGIGTFGNQV
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 93%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against AKAP7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	AKAP7
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## Target Details

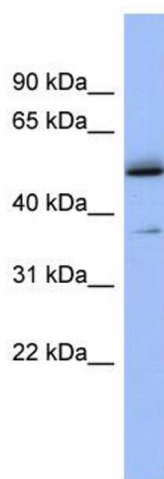
Alternative Name:	AKAP7 ( <a href="#">AKAP7 Products</a> )
Background:	<p>AKAP7 is a member of the A-kinase anchoring protein (AKAP) family, a group of functionally related proteins that bind to a regulatory subunit (RII) of cAMP-dependent protein kinase A (PKA) and target the enzyme to specific subcellular compartments. AKAPs</p> <p>Alias Symbols: AKAP18, AKAP15</p> <p>Protein Interaction Partner: CEP76, ROPN1, SPA17, PRKAR2B, PRKACB, PRKACA, MEPCE, USP4, PRKAR1A, PRKAR2A,</p> <p>Protein Size: 326</p>
Molecular Weight:	37 kDa
Gene ID:	9465
NCBI Accession:	<a href="#">NM_016377</a> , <a href="#">NP_057461</a>
UniProt:	<a href="#">Q9P0M2</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 326 AA
Restrictions:	For Research Use only

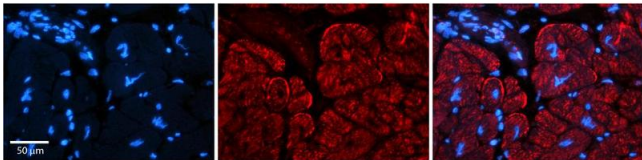
## Handling

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
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.



### Western Blotting

**Image 1.** WB Suggested Anti-AKAP7 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Small Intestine



### Immunohistochemistry

**Image 2.** Rabbit Anti-AKAP7 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Membrane, Cytoplasmic Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.