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Datasheet for ABIN2775178
anti-AKAP7 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	AKAP7
Binding Specificity:	N-Term
Reactivity:	Human
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 N terminal region of human AKAP7
Sequence:	MGQLCCFPFS RDEGKISELE SSSSAVLQRY SKDIPSWSSG EKNGGEPDDA
Predicted Reactivity:	Human: 100%
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
Alternative Name:	AKAP7 (AKAP7 Products)

Target Details

Background: 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 have a common RII-binding domain, but contain different targeting motifs responsible for directing PKA to distinct intracellular locations. Three alternatively spliced transcript variants encoding different isoforms have been described. Additional variants exist, but their full-length natures have not been determined.

Alias Symbols: AKAP15, AKAP18

Protein Interaction Partner: CEP76, ROPN1, SPA17, PRKAR2B, PRKACB, PRKACA, MEPCE, USP4, PRKAR1A, PRKAR2A,

Protein Size: 104

Molecular Weight: 11 kDa

Gene ID: 9465

NCBI Accession: [NM_138633](#), [NP_619539](#)

UniProt: [O43687](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 104 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.

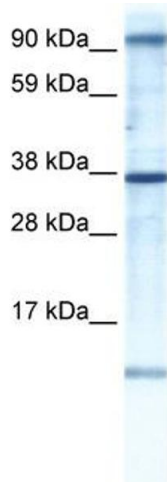
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

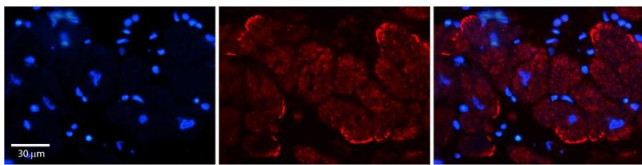
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

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



Immunohistochemistry

Image 2. Rabbit Anti-AKAP7 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Membrane 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.