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Datasheet for ABIN6992060
anti-AKAP4 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	AKAP4
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	AKAP4 antibody was raised against a 17 amino acid peptide near the amino terminus of human AKAP4. The immunogen is located within the first 50 amino acids of AKAP4.
Isotype:	IgG
Specificity:	AKAP4 antibody is human specific. At least three isoforms are known to exist, this antibody will detect the two longest isoforms.
Purification:	AKAP4 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	AKAP4
Alternative Name:	AKAP4 (AKAP4 Products)
Background:	The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have

Target Details

the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell (1). AKAP4, also known as hAKAP82, is a major sperm fibrous sheath protein that localizes to the entire length of the flagellum of human sperm (2). It has been suggested that AKAP4 plays multiple roles in sperm motility and regulation of signal transduction pathways (2). AKAP4 has also been postulated to be a potential biomarker for breast cancer (3).

Molecular Weight: Predicted: 94 kDa

Observed: 100 kDa

Gene ID: 8852

NCBI Accession: [NP_003877](#)

UniProt: [Q5JQC9](#)

Application Details

Application Notes: AKAP4 antibody can be used for detection of AKAP4 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for Immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: AKAP4 antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C, 4 °C

Storage Comment: AKAP4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.