



# Anti-AKAP4 (aa 1-100) polyclonal antibody (DPAB-DC3668)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 is localized to the sperm flagellum and may be involved in the regulation of sperm motility. Alternative splicing of this gene results in two transcript variants encoding different isoforms.
<b>Immunogen</b>	AKAP4 (NP_003877, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MMAYSDDTTMMSDDIDWLRSHRGVCKVDLYNPEGQQDQDRKVICFVDVSTLNVEDKDYKDA ASSSSEGNLNLGSLEEKEIIVIKDTEKKDQSKTEGSVCLF
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">AKAP4 A kinase (PRKA) anchor protein 4 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	AKAP4
<b>Synonyms</b>	AKAP4; A kinase (PRKA) anchor protein 4; HI; p82; CT99; FSC1; PRKA4; AKAP-4; AKAP82; AKAP 82; hAKAP82; A-kinase anchor protein 4; testis-specific gene HI; cancer/testis antigen 99; A-kinase anchor protein 82 kDa; major sperm fibrous sheath protein; protein kinase A anchoring protein 4; protein kinase A-anchoring protein 4;
<b>Entrez Gene ID</b>	<a href="#">8852</a>
<b>Protein Refseq</b>	<a href="#">NP_003877</a>
<b>UniProt ID</b>	<a href="#">Q5JQC9</a>
<b>Chromosome Location</b>	Xp11.2
<b>Pathway</b>	G Protein Signaling Pathways;
<b>Function</b>	protein kinase A binding;