



Anti-AKAP11 (aa 1801-1901) polyclonal antibody (DPAB-DC389)

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

PRODUCT INFORMATION

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| Antigen Description | 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 expressed at high levels throughout spermatogenesis and in mature sperm. It binds the RI and RII subunits of PKA in testis. It may serve a function in cell cycle control of both somatic cells and germ cells in addition to its putative role in spermatogenesis and sperm function. |
| Immunogen | AKAP11 (NP_057332, 1801 a.a. ~ 1901 a.a) partial recombinant protein with GST tag. The sequence is EGLGQDGKTLITNIDMEPCTVDPQLRILQWLIASEAEVAELYFHDSANKEFMLLSKQLQEKGW KVGDLLQAVLQYYEVMKASSEERCKSLFDWLENA |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | AKAP11 A kinase (PRKA) anchor protein 11 [Homo sapiens (human)] |
| Official Symbol | AKAP11 |

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| Synonyms | AKAP11; A kinase (PRKA) anchor protein 11; PRKA11; AKAP-11; AKAP220; PPP1R44; A-kinase anchor protein 11; A-kinase anchor protein 220 kDa; a kinase anchor protein 220 kDa; A-kinase anchoring protein, 220kDa; protein kinase A anchoring protein 11; protein kinase A-anchoring protein 11; protein phosphatase 1, regulatory subunit 44; |
| Entrez Gene ID | 11215 |
| Protein Refseq | NP_057332 |
| UniProt ID | Q9UKA4 |
| Chromosome Location | 13q14.11 |
| Pathway | G Protein Signaling Pathways; |
| Function | protein kinase A binding; protein phosphatase 1 binding; |