



AKAP4 Polyclonal Antibody

Catalog No	YP-Ab-06500
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	AKAP4 AKAP82
Immunogen	Synthesized peptide derived from human protein . at AA range: 430-510
Specificity	AKAP4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	A kinase anchor protein 4;A kinase anchor protein 82 kDa;AKAP 4;AKAP 82; AKAP4;AKAP82;CT99;FSC1;hAKAP82;HI;p82;PRKA4;AKAP4 AKAP82;A-kinase anchor protein 4 (AKAP-4) (A-kinase anchor protein 82 kDa) (AKAP 82) (hAKAP82) (Major sperm fibrous sheath protein) (HI) (Protein kinase A-anchoring protein 4) (PRKA4)
Observed Band	130 kDa,82 kDa
Calculated Molecular Weight	854 aa, 94 kDa
Cell Pathway	Cell projection, cilium, flagellum . Localizes to the principle piece of the sperm flagellum.
Tissue Specificity	Testis specific; only expressed in round spermatids.
Function	developmental stage:Post-meiotic phase of spermatogenesis.,domain:RI-alpha binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer., function:Major structural component of sperm fibrous sheath. Plays a role in sperm motility.,similarity:Belongs to the AKAP110 family.,subcellular location:Localizes to the principle piece of the sperm flagellum.,subunit:Interacts with PRKAR1A and PRKAR2A.,tissue specificity:Testis specific; only expressed in round spermatids.,

**Background**

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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images