



Human AKAP3 blocking peptide (CDBP0356)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-AKAP3/SOB1 antibody
Antigen Description	This gene encodes a member of A-kinase anchoring proteins (AKAPs), a family of functionally related proteins that target protein kinase A to discrete locations within the cell. The encoded protein is reported to participate in protein-protein interactions with the R-subunit of the protein kinase A as well as sperm-associated proteins. This protein is expressed in spermatozoa and localized to the acrosomal region of the sperm head as well as the length of the principal piece. It may function as a regulator of motility, capacitation, and the acrosome reaction.
Nature	Synthetic
Expression System	N/A
Species	Human
Species Reactivity	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Procedure	None
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

ANTIGEN GENE INFORMATION

Gene Name	AKAP3 A kinase (PRKA) anchor protein 3 [Homo sapiens]
Official Symbol	AKAP3
Synonyms	AKAP3; A kinase (PRKA) anchor protein 3; A-kinase anchor protein 3; AKAP110; cancer/testis antigen 82; CT82; Fibrous Sheath Protein of 95 kDa; FSP95; SOB1; AKAP-3; AKAP 110; fibrousheathin 1; fibrousheathin I; fibrousheathin-1; fibrous sheath protein, 95kDa; sperm oocyte-binding protein 1; A-kinase anchor protein 110 kDa; A-kinase anchor protein, 110kDa; protein kinase A anchoring protein 3; protein kinase A-anchoring protein 3; PRKA3;
Entrez Gene ID	10566
mRNA Refseq	NM_006422
Protein Refseq	NP_006413
UniProt ID	O75969
Chromosome Location	12p13.3
Pathway	G Protein Signaling Pathways, organism-specific biosystem;
Function	protein binding; protein kinase A binding;