



Rabbit Anti-AKAP14 antibody

SL23424R

Product Name:	AKAP14
Chinese Name:	A激酶锚定蛋白14抗体
Alias:	A kinase (PRKA) anchor protein 14; A kinase anchor protein 14; PRKA14; AKAP-14; AKA14_RAT; Protein kinase A-anchoring protein 14; Protein kinase A anchoring protein 14. TAKAP-1.2; Testis-specific A-kinase-anchoring protein TAKAP-80.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from rat AKAP14:81-180/502
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 human ortholog of this gene has been characterized. It is reported to be enriched in airway cilia and to regulate ciliary beat frequency by anchoring the protein kinase A holoenzyme near substrates in the axoneme. [provided by RefSeq, May 2013].

Function:

Binds to type II regulatory subunits of protein kinase A and anchors/targets them.

Subunit:

Binds to type II regulatory subunits (RII).

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Present in cilia (at protein level). Expressed in tissues containing axoneme-based organelles (cilia and/or flagella): trachea and testis. Highly expressed in airway cilia.

SWISS:

O35817

Gene ID:

60332

Database links:

[Entrez Gene: 434756](#)Mouse

[Entrez Gene: 60332](#)Rat

[SwissProt: O35817](#)Rat

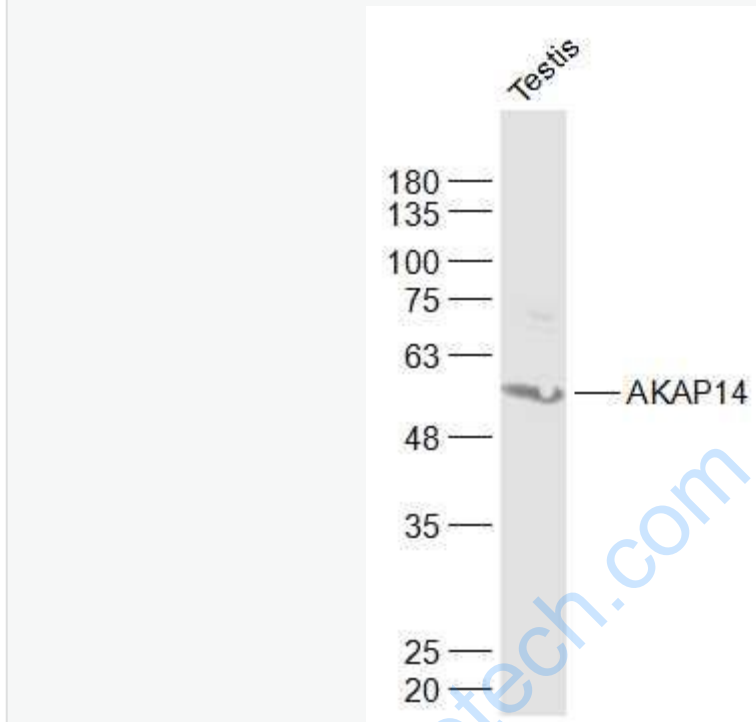
[Unigene: 471848](#)Mouse

[Unigene: 42933](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Testis (Mouse) Lysate at 40 ug

Primary: Anti-AKAP14 (SL23424R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 55 kD