
AKAP14 Antibody (Center) Blocking peptideSynthetic peptide
Catalog # BP10025c**Specification**

**AKAP14 Antibody (Center) Blocking peptide -
Product Information**

Primary Accession	Q86UN6
Other Accession	NP_001008534.1 , NP_848928.1 , NP_001008535.1
Peptide ID	91230263

**AKAP14 Antibody (Center) Blocking peptide -
Additional Information****Other Names**

A-kinase anchor protein 14, AKAP-14,
A-kinase anchor protein 28 kDa, AKAP 28,
Protein kinase A-anchoring protein 14,
PRKA14, AKAP14, AKAP28

Format

Synthetic peptide was lyophilized with 100%
acetonitrile and is supplied as a powder.
Reconstitute with 0.1 ml DI water for a final
concentration of 1 mg/ml.

Storage

Maintain refrigerated at 2-8°C for up to 6
months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for
use in diagnostic or therapeutic procedures.

**AKAP14 Antibody (Center) Blocking peptide -
Protein Information****Name** AKAP14**Synonyms** AKAP28**Function**

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

Cellular Location

Cytoplasm.

Tissue Location

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 EMBL;
AF514780; AAP20825.1; -; mRNA EMBL;
AF514781; AAP20826.1; -; mRNA EMBL;

AF514782; AAP20827.1; -; mRNA EMBL;
AC002477; -; NOT_ANNOTATED_CDS;
Genomic_DNA EMBL; BC066357;
AAH66357.1; -; mRNA CCDS; CCDS14591.1; -.
[Q86UN6-1] CCDS; CCDS35376.1; -.
[Q86UN6-2] CCDS; CCDS35377.1; -.
[Q86UN6-3] RefSeq; NP_001008534.1;
NM_001008534.1. [Q86UN6-2] RefSeq;
NP_001008535.1; NM_001008535.1.
[Q86UN6-3] RefSeq; NP_848928.1;
NM_178813.5. [Q86UN6-1] UniGene;
Hs.592245; - ProteinModelPortal; Q86UN6; -
SMR; Q86UN6; - BioGrid; 127707; 12 IntAct;
Q86UN6; 6 STRING; 9606.ENSP00000360485;
- iPTMnet; Q86UN6; - PhosphoSitePlus;
Q86UN6; - BioMuta; AKAP14; - DMDM;
46395790; - PaxDb; Q86UN6; - PeptideAtlas;
Q86UN6; - PRIDE; Q86UN6; - ProteomicsDB;
69835; - ProteomicsDB; 69836; -. [Q86UN6-2]
ProteomicsDB; 69837; -. [Q86UN6-3] DNASU;
158798; - Ensembl; ENST00000334356;
ENSP00000334680; ENSG00000186471.
[Q86UN6-2] Ensembl; ENST00000371422;
ENSP00000360476; ENSG00000186471.
[Q86UN6-3] Ensembl; ENST00000371425;
ENSP00000360479; ENSG00000186471.
[Q86UN6-2] Ensembl; ENST00000371431;
ENSP00000360485; ENSG00000186471.
[Q86UN6-1] GeneID; 158798; - KEGG;
hsa:158798; - UCSC; uc004ese.4; human.
[Q86UN6-1] CTD; 158798; - EuPathDB;
HostDB:ENSG00000186471.12; - GeneCards;
AKAP14; - HGNC; HGNC:24061; AKAP14 HPA;
HPA060999; - MIM; 300462; gene neXtProt;
NX_Q86UN6; - OpenTargets;
ENSG00000186471; - PharmGKB;
PA134914893; - eggNOG; ENOG410IXR2;
Eukaryota eggNOG; ENOG4111RMU; LUCA
GeneTree; ENSGT00390000003444; -
HOGENOM; HOG000293385; - HOVERGEN;
HBG050473; - InParanoid; Q86UN6; - KO;
K16530; - OMA; IKWITHG; - OrthoDB;
594274at2759; - PhylomeDB; Q86UN6; -
TreeFam; TF329057; - GenomeRNAi; 158798;
- PRO; PR:Q86UN6; - Proteomes;
UP000005640; Chromosome X Bgee;
ENSG00000186471; Expressed in 83
organ(s), highest expression level in bronchial
epithelial cell Genevisible; Q86UN6; HS GO;
GO:0005930; C:axoneme; IDA:UniProtKB GO;
GO:0005952; C:cAMP-dependent protein
kinase complex; IMP:UniProtKB GO;
GO:0034237; F:protein kinase A regulatory
subunit binding; IPI:UniProtKB InterPro;
IPR025663; AKAP_28 Pfam; PF14469;
AKAP28; 1 1: Evidence at protein level;
Alternative splicing; Complete proteome;
Cytoplasm; Reference proteome CHAIN 1 197
A-kinase anchor protein 14
/FTId=PRO_0000064521 REGION 35 52
R11-binding VAR_SEQ 88 147 Missing (in
isoform 2) /FTId=VSP_009909 VAR_SEQ 88 89
KC -> VS (in isoform 3) /FTId=VSP_009910
VAR_SEQ 90 197 Missing (in isoform 3)
/FTId=VSP_009911 MUTAGEN 43 43 L->P:
Abolishes R11-binding; when associated with
P-47 MUTAGEN 47 47 V->P: Abolishes
R11-binding; when associated with P-43
SEQUENCE 197 AA; 22815 MW;
3A76B9C3036EAEB9 CRC64; MSETQNSTSQ
KAMDEDNCAA SQTMPNTQDK NYEDELQVA

LALVEDVINY AVKIVEEERN PLKNIKWMTH
GEFTVEKGLK QIDEYFSKCV SKKCWAHGVE
FVERKDLIHS FLYIYYVHWS ISTADLPVAR
ISAGTYFTMK VSKTKPPDAP IVVSYVGDHQ
ALVHRPGMVR FRENWQKNLT DAKYSFMESF
PFLFNRV

AKAP14 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)