

Rabbit anti-Human AKAP2 Polyclonal Antibody | anti-AKAP2 antibody

AKAP2 Antibody

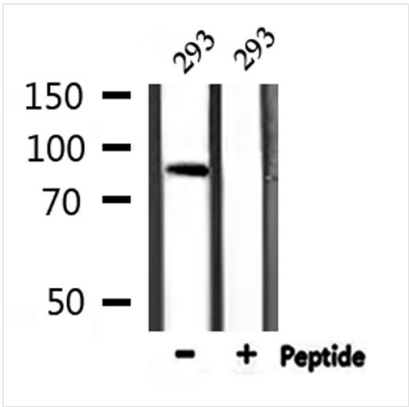
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321166	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

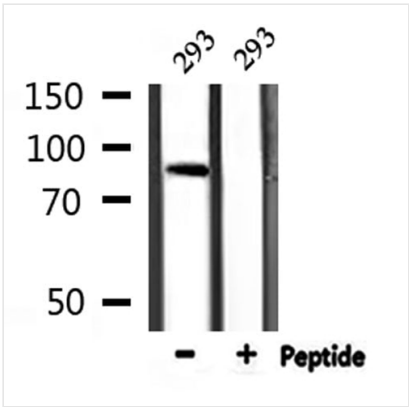
AKAP2; Polyclonal Antibody; AKAP2 Antibody; A kinase (PRKA) anchor protein 2; A kinase anchor protein 2; AKAP 2; AKAP KL; AKAPKL; KIAA0920; PALM 2; PALM2; PRKA 2; PRKA2; Protein kinase A anchoring protein 2; Protein kinase A2; anti-AKAP2 antibody

PRODUCT SPECIFICATIONS

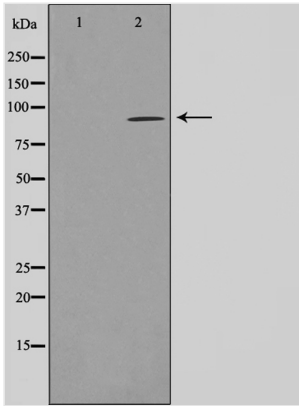
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	AKAP2 antibody detects endogenous levels of AKAP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	948
Applicable Applications for anti-AKAP2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AKAP2
Predicted Cross Reactivity	Pig
Similarity	Pig (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



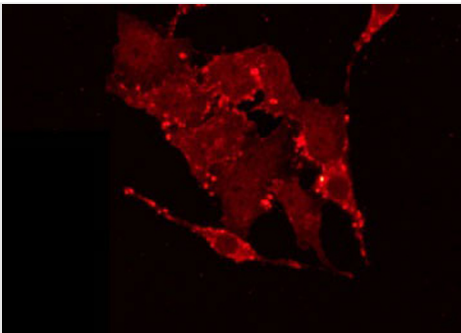
WB (Western Blot)
Western blot analysis of extracts from 293 and Hela, using AKAP2 Antibody.



WB (Western Blot)
Western blot analysis of extracts from 293, using AKAP2 Antibody.



WB (Western Blot)
Western blot analysis on LOVO cell lysate using AKAP2 Antibody, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA321166 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP2 antibody	Description: AKAP2 Binds to regulatory subunit (RII) of protein kinase A. May be involved in establishing polarity in signaling systems or in integrating PKA-RII isoforms with downstream effectors to capture, amplify and focus diffuse, trans-cellular signals carried by cAMP. 5 isoforms of the human protein are produced by alternative splicing. Function: Binds to regulatory subunit (RII) of protein kinase A. May be involved in establishing polarity in signaling systems or in integrating PKA-RII isoforms with downstream effectors to capture, amplify and focus diffuse, trans-cellular signals carried by cAMP (By similarity). Similarity: The RII-alpha binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51873058
NCBI GeneID	11217
NCBI Accession #	NP_001004065.2
NCBI GenBank Nucleotide #	NM_001004065.4
UniProt Accession #	Q9Y2D5; Q9UG26; B1ALX9; B2RTU4; B3KQ00; B4DTZ2; B7ZW07; B9EJB5
Molecular Weight	Observed: 96 kDa Predicted: 95 kDa
NCBI Official Full Name	A-kinase anchor protein 2 isoform 1

NCBI Official Synonym Full Names	A-kinase anchoring protein 2
NCBI Official Symbol	AKAP2
NCBI Official Synonym Symbols	MISP2; PRKA2; AKAP-2; AKAPKL
NCBI Protein Information	A-kinase anchor protein 2
UniProt Protein Name	A-kinase anchor protein 2
UniProt Gene Name	AKAP2
UniProt Synonym Gene Names	KIAA0920; PRKA2; AKAP-2; PRKA2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/akap2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321166>