

Rabbit anti-Human AKAP10 Polyclonal Antibody | anti-AKAP10 antibody

Rabbit anti-human AKAP10 polyclonal Antibody

CATALOG # AAA118337	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

AKAP10; Polyclonal Antibody; Rabbit anti-human AKAP10 polyclonal Antibody; AKAP-10; Dual specificity A kinase-anchoring protein 2; D-AKAP-2; Protein kinase A-anchoring protein 10; PRKA10; anti-AKAP10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	662
Applicable Applications for anti-AKAP10 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human A-kinase anchor protein 10, mitochondrial protein (413-662aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-109187 / sc-109188 / sc-109189 / sc-98755
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



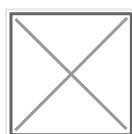
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human cervical cancer using AAA118337 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA118337 at dilution 1:100



WB (Western Blot)

All lanes: AKAP10 antibody at 7ug/mL
Lane 1: 293T whole cell lysate
Lane 2: HeLa whole cell lysate
Lane 3: HepG2 whole cell lysate
Secondary: Goat polyclonal to rabbit at 1/10000 dilution
Predicted band size: 74kDa
Observed band size: 74kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP10 antibody	Differentially targeted protein that binds to type I and II regulatory subunits of protein kinase A and anchors them to the mitochondria or the plasma membrane. Although the physiological relevance between PKA and AKAPS with mitochondria is not fully understood, one idea is that BAD, a proapoptotic member, is phosphorylated and inactivated by mitochondria-anchored PKA. It cannot be excluded too that it may facilitate PKA as well as G protein signal transduction, by acting as an adapter for assembling multiprotein complexes. With its RGS domain, it could lead to the interaction to G-alpha proteins, providing a link between the signaling machinery and the downstream kinase (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21493033
NCBI GeneID	11216
NCBI Accession #	NP_009133.2
NCBI GenBank Nucleotide #	NM_007202.3
UniProt Accession #	O43572; Q96AJ7; B2R650
Molecular Weight	73,818 Da
NCBI Official Full Name	A-kinase anchor protein 10, mitochondrial
NCBI Official Synonym Full Names	A-kinase anchoring protein 10
NCBI Official Symbol	AKAP10
NCBI Official Synonym Symbols	PRKA10; AKAP-10; D-AKAP2; D-AKAP-2
NCBI Protein Information	A-kinase anchor protein 10, mitochondrial
UniProt Protein Name	A-kinase anchor protein 10, mitochondrial
UniProt Gene Name	AKAP10
UniProt Synonym Gene Names	AKAP-10; D-AKAP-2; PRKA10
UniProt Entry Name	AKA10_HUMAN

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://stage.aaabiotech.com/polyclonal/akap10-antibody-immunohistochemistry-western-blot-elisa/118337>