10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-AKAP10 Antibody

Rabbit polyclonal antibody to AKAP10
Catalog # AP60093

Product Information

Application	WB
Primary Accession	O43572
Other Accession	O88845
Reactivity	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73818

Additional Information

Gene ID	11216
Other Names	A-kinase anchor protein 10 mitochondrial; AKAP-10; Dual specificity A kinase-anchoring protein 2; D-AKAP-2; Protein kinase A-anchoring protein 10; PRKA10
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human AKAP10. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

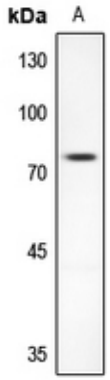
Name	AKAP10
Function	Differentially targeted protein that binds to type I and II regulatory subunits of protein kinase A and anchors them to the mitochondria or the plasma membrane. Although the physiological relevance between PKA and AKAPS with mitochondria is not fully understood, one idea is that 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). Mitochondrion. Membrane. Cytoplasm. Note=Predominantly mitochondrial

Cellular Location	but also membrane associated and cytoplasmic

Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human AKAP10. The exact sequence is proprietary.

Images



Western blot analysis of AKAP10 expression in rat kidney (A) whole cell lysates.