

Anti-Human AKAP1 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA03087

3th Edition

Description:The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein binds to type I and type II regulatory subunits of PKA and anchors them to the mitochondrion. This protein is speculated to be involved in the cAMP-dependent signal transduction pathway and in directing RNA to a specific cellular compartment. AKAP1 (A-Kinase Anchoring Protein 1) is a Protein Coding gene. Among its related pathways are Proton Pump Inhibitor Pathway, Pharmacodynamics and Activation of cAMP-Dependent PKA. GO annotations related to this gene include nucleic acid binding and RNA binding.

Antigen:Synthesized peptide derived from the Internal region of human AKAP 149

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:AKAP149 is highly expressed in prostate and small intestine whereas S-AKAP84 is expressed in kidney, pancreas, liver, lung and brain. AKAP149 is also expressed in colon carcinoma.