

AKAP 149 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00322
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human AKAP1. AA range:281-330
Mol wt	97342
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	AKAP 149 Antibody
Synonyms	AKAP1; AKAP149; PRKA1; A-kinase anchor protein 1; mitochondrial; A-kinase anchor protein 149 kDa; AKAP 149; Dual specificity A-kinase-anchoring protein 1; D-AKAP-1; Protein kinase A-anchoring protein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. AKAP1 encodes a member of the AKAP family. The encoded protein (A-kinase anchoring protein 1) 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

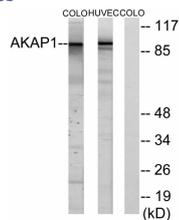
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

ELISA: 1: 5000

Not yet tested in other applications.

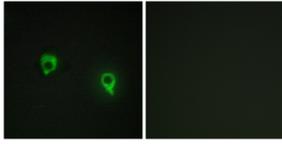
Images



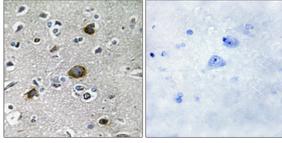
Western blot analysis of lysates from HUVEC and COLO cells, using AKAP1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using AKAP 149 Polyclonal Antibody diluted at 1:2000



Immunofluorescence analysis of COS7 cells, using AKAP1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using AKAP1 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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