

AKAP 250 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00325
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human AKAP12. AA range:301-350
Mol wt	191483
Species reactivity	Human
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	AKAP 250 Antibody
Synonyms	AKAP12; AKAP250; A-kinase anchor protein 12; AKAP-12; A-kinase anchor protein 250 kDa; AKAP 250; Gravin; Myasthenia gravis autoantigen

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. AKAP12 (A-kinase anchoring protein 12) encodes a member of the AKAP family. The encoded protein is expressed in endothelial cells, cultured fibroblasts, and osteosarcoma cells. It associates with protein kinases A and C and phosphatase, and serves as a scaffold protein in signal transduction. This protein and RII PKA colocalize at the cell periphery. This protein is a cell growth-related protein. Antibodies to this protein can be produced by patients with myasthenia gravis. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

Recommended Dilution

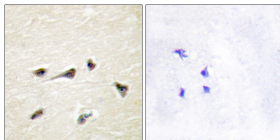
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

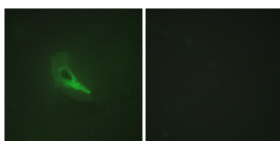
ELISA: 1: 20000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using AKAP12 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of HeLa cells, using AKAP12 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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