

# AKAP12 polyclonal antibody

Catalog # PAB6019

Size 100 ug

## Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of AKAP12.
<b>Immunogen</b>	A synthetic peptide corresponding to C terminus of human AKAP12.
<b>Sequence</b>	KQERESAKSELTES
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	181, 191
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody is expected to recognize both reported isoforms.
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Recommend Usage</b>	ELISA (1:32000) Western Blot (0.02-0.1 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — AKAP12

Entrez GeneID	<a href="#">9590</a>
Protein Accession#	<a href="#">NP_005091.2;NP_653080.1</a>
Gene Name	AKAP12
Gene Alias	AKAP250, DKFZp686M0430, DKFZp686O0331, FLJ20945, FLJ97621
Gene Description	A kinase (PRKA) anchor protein 12
Omim ID	<a href="#">604698</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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 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. [provided by RefSeq]</p>
Other Designations	A kinase (PRKA) anchor protein (gravin) 12 A-kinase anchor protein, 250kDa OTTHUMP00000017426 kinase scaffold protein gravin myasthenia gravis autoantigen gravin

## Disease

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