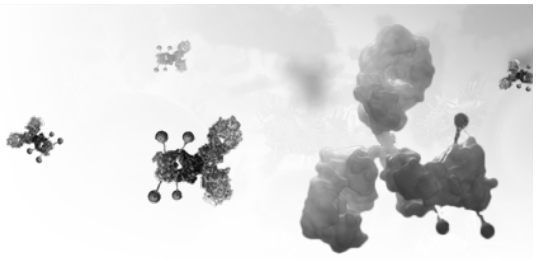

Mouse anti-Human AKAP12 monoclonal antibody, clone 2D6 (CABT-B9740)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	AKAP12 (NP_005091, 1675 a.a. ~ 1783 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	2D6
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	VPEDDGHALLAERIEKSLVEPKEDEKGDDVDDPENQNSALADTDASGGLTKESPDTNGPK QKEKEDAQEVELQEGKVHSESDKAITPQAQEELQKQERESAKSELTES*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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, Jul 2008]
Keywords	AKAP12; A kinase (PRKA) anchor protein 12; SSeCKS; AKAP250; A-kinase anchor protein 12; AKAP 250; kinase scaffold protein gravin; A-kinase anchor protein, 250kDa; Src-Suppressed C Kinase Substrate; myasthenia gravis autoantigen gravin;

GENE INFORMATION

Entrez Gene ID	9590
UniProt ID	Q86TJ9
Pathway	G Protein Signaling Pathways, organism-specific biosystem
Function	adenylate cyclase binding; protein kinase A binding

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