

Product Information

MemDX™ Membrane Protein Human AKAP8 (A-kinase anchoring protein 8) for Antibody

Discovery

Cat. No.: **MP0031X**

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

This product is a 102.6 kDa Human AKAP8 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

AKAP8

Protein Length

Full-length

Molecular Weight

102.6 kDa

Sequence

MDQGYGGYGAW SAGPANTQGAYGTGVASWQGYENYNYYGAQNTSVTTGATYSYGPASWEAAKANDGGLAAGAPAMHMASYG

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

AKAP8

Full Name

A-kinase anchoring protein 8

Introduction

This gene encodes a member of the A-kinase anchor protein family. A-kinase anchor proteins are scaffold proteins that contain a binding domain for the RI/RII subunit of protein kinase A (PKA) and recruit PKA and other signaling molecules to specific subcellular locations. This gene encodes a nuclear A-kinase anchor protein that binds to the RII alpha subunit of PKA and may play a role in chromosome condensation during mitosis by targeting PKA and the condensin complex to chromatin. A pseudogene of this gene is located on the short arm of chromosome 9

Alternative Names

AKAP95; DKFZp586B1222; A-kinase anchor protein 8, A-kinase anchor protein, 95kDa

Gene ID

[10270](#)

UniProt ID

[Q43823](#)