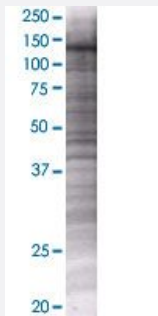


AKAP13 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00011214-T01

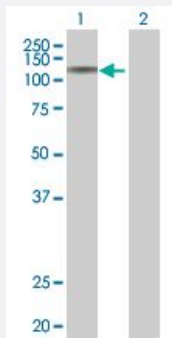
Size 100 uL

Applications



SDS-PAGE Gel

AKAP13 transfected lysate.



Western Blot

Lane 1: AKAP13 transfected lysate (12.21 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AKAP13 full-length
Host	Human
Theoretical MW (kDa)	12.21
Interspecies Antigen Sequence	Mouse (89); Rat (86)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-AKAP13 antibody ([H00011214-B01](#)) by Western Blots.
SDS-PAGE Gel
AKAP13 transfected lysate.
Western Blot
Lane 1: AKAP13 transfected lysate (12.21 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — AKAP13

Entrez GeneID

[11214](#)

GeneBank Accession#

[NM_144767](#)

Protein Accession#

[NP_658913](#)

Gene Name

AKAP13

Gene Alias

AKAP-Lbc, ARHGEF13, BRX, FLJ11952, FLJ43341, HA-3, Ht31, LBC, PROTO-LB, PROTO-LB C, c-lbc

Gene Description

A kinase (PRKA) anchor protein 13

Omim ID

[604686](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. Alternative splicing of this gene results in at least 3 transcript variants encoding different isoforms containing a dbl oncogene homology (DH) domain and a pleckstrin homology (PH) domain. The DH domain is associated with guanine nucleotide exchange activation for the Rho/Rac family of small GTP binding proteins, resulting in the conversion of the inactive GTPase to the active form capable of transducing signals. The PH domain has multiple functions. Therefore, these isoforms function as scaffolding proteins to coordinate a Rho signaling pathway and, in addition, function as protein kinase A-anchoring proteins. [provided by RefSeq]

Other Designations

A-kinase anchor protein 13|A-kinase anchoring protein|breast cancer nuclear receptor-binding auxiliary protein|guanine nucleotide exchange factor Lbc|lymphoid blast crisis oncogene

Disease

- [Angina Pectoris](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cell Transformation](#)
- [Coronary Vasospasm](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Tobacco Use Disorder](#)