

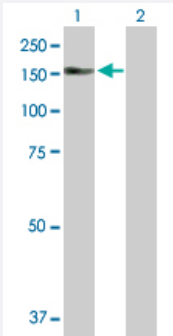
MaxPab®

AKAP13 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00011214-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of AKAP13 expression in transfected 293T cell line ([H00011214-T02](#)) by AKAP13 MaxPab polyclonal antibody.

Lane 1: AKAP13 transfected lysate(120.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human AKAP13 protein.

Immunogen

AKAP13 (NP_658913.1, 1 a.a. ~ 1058 a.a) full-length human protein.

Sequence

MSSSKKSKEKEKEKDKIKEKEKDSKDKEKDKKTVNGHTFSSIPVVGPISCSQCMKPFTNKDAYT
CANCSAFVHKGCRESLASCACVKKMKQPKGSLQAHDTSLLPTVIMRNKPSQPKERPRSAVLLVD
ETATPIFANRRSQSVSLSKSVSIQNITGVGNENMSNTWKFLSHSTDNLNKISKVNTESTESLTD
EGVGTDMNEGQLLGDFEIESKQLEAESWSRIIDSKFLKQQKKDQVVKRQEVYELMQTEFHHVRTL
KIMSGVYSQGMADLLFEQQMVEKLFPCDELISHSQFFQRILERKKESLVDKSEKNFLIKRIGDV
LVNQFSGENAERLKKTYGKFCGQHNQSVNYFKDLYAKDKRFQAFVKKKMSSSVVRRLLGIPECILL
VTQRITKYPVLFQRILQCTKDNEVEQEDLAQSLSLVKDVGAVDSKVASYEKKVRLNEITKTDKSKI
MRMKSQGMFAKEDLKRKKLVRDGSVFLKNAAGRLKEVQAVLLTDILVFLQEKDQKYIFASLDQKS
TVISLKKLIVREVAHEEKGLFLISMGMTPEMVEVHASSKEERNVWIIQDITNLNRDEDEGIPSE
NEEEKKMLDTRARELKEQLHQKDQKILLLEEKEMIFRDMACSTPLPEDCSPTHSPRVLFRRSNT
EEALKGGPLMKSAINEVEILQGLVSGNLGGTLGPTVSSPIEQDVVGVPVSLPRRAETFGGFDHQM
NASKGGEKEEGDDGQDLRRTESDSGLKKGGNANLVFMLKRNSEQVQSVVHLYELLSALQGVV
LQQDSYIEDQKLVLSEALTRSLSRPSSLIEQEKQRSLEKQRQDLANLQKQQAQYLEEKRRRERE
WEARERELREREALLAQREEEVQQGQQDLEKEREELQKKGTQYDRLRLAAQKQLEREQEQ
LRREAERLSQRQTERDLCQVSHPTKLMRIPSFPPSPPEPPSPSAPSIAKSGSLDSELSVSPKRN
SISRTHKDKGPFHLSSTSQTNGPEGQSQAPASTSASTRLFGLTKPEKKEKKKKNKTSRSQPG
DGPASEVSAEGEEIFC

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (86)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — AKAP13

Entrez GeneID	11214
GeneBank Accession#	NM_144767
Protein Accession#	NP_658913.1
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](#)