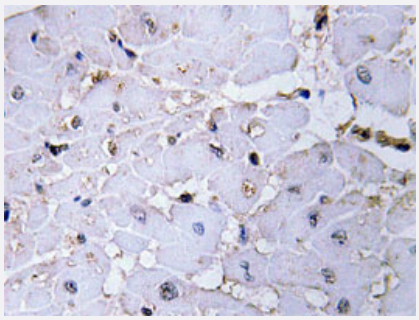
AKAP13 polyclonal antibody

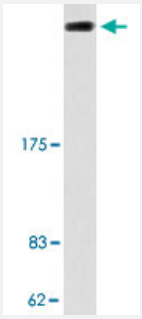
Catalog # PAB24967 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using AKAP13 polyclonal antibody (Cat # PAB24967).



Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with AKAP13 polyclonal antibody (Cat # PAB24967).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AKAP13.
Immunogen	A synthetic peptide corresponding to AKAP13.
Host	Rabbit
Theoretical MW (kDa)	307
Reactivity	Human
Specificity	AKAP13 polyclonal antibody detects endogenous levels of AKAP13 protein.
Form	Liquid

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Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using AKAP13 polyclonal antibody (Cat # PAB24967).

- Western Blot (Cell lysate)

  Western blot analysis of Jurkat cell lysate with AKAP13 polyclonal antibody (Cat # PAB24967).

Gene Info — AKAP13

Entrez GeneID	11214
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

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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 h oloenzyme 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 s mall GTP binding proteins, resulting in the conversion of the inactive GTPase to the active form ca pable of transducing signals. The PH domain has multiple functions. Therefore, these isoforms fun ction as scaffolding proteins to coordinate a Rho signaling pathway and, in addition, function as pr otein kinase A-anchoring proteins. [provided by RefSeq
Other Designations	A-kinase anchor protein 13|A-kinase anchoring protein|breast cancer nuclear receptor-binding au xiliary 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

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