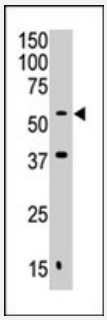
SEPT9 polyclonal antibody

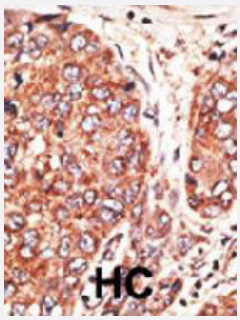
Catalog # PAB4799 Size 400 uL

Applications



Western Blot (Cell lysate)

The MAFK polyclonal antibody (Cat # PAB4799) is used in Western blot to detect MAFK in Jurkat cell lysate.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with MAFK polyclonal antibody (Cat # PAB4799) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SEPT9.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to 539-568 at C-terminus of human SEPT9 .
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-1:500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — SEPT9

Entrez GeneID	10801
Protein Accession#	Q9UHD8
Gene Name	SEPT9
Gene Alias	AF17q25, FLJ75490, KIAA0991, MSF, MSF1, NAPB, PNUTL4, SINT1, SeptD1
Gene Description	septin 9
Omim ID	162100 604061
Gene Ontology	Hyperlink

Gene Summary	This gene is a member of the septin family involved in cytokinesis and cell cycle control. This gene is a candidate for the ovarian tumor suppressor gene. Mutations in this gene cause hereditary neu ralgic amyotrophy, also known as neuritis with brachial predilection. A chromosomal translocation involving this gene on chromosome 17 and the MLL gene on chromosome 11 results in acute my elomonocytic leukemia. Multiple alternatively spliced transcript variants encoding different isoform s have been described
Other Designations	MLL septin-like fusion|Ov/Br septin|ovarian/breast septin|septin D1

Publication Reference

- Detection of methylated septin 9 in tissue and plasma of colorectal patients with neoplasia and the relationship to the amount of circulating cell-free DNA.

  Toth K, Wasserkort R, Sipos F, Kalmar A, Wichmann B, Leiszter K, Valcz G, Juhasz M, Miheller P, Patai AV, Tulassay Z, Molnar B.

  PLoS One 2014 Dec; 9(12):e115415.

  Application: IHC-P, Human, Normal colorectal, Colorectal adenoma, Colorectal cancer

- Aberrant septin 9 DNA methylation in colorectal cancer is restricted to a single CpG island.

  Wasserkort R, Kalmar A, Valcz G, Spisak S, Krispin M, Toth K, Tulassay Z, Sledziewski AZ, Molnar B.

  BMC cancer 2013 Aug; 13(1):398.

  Application: IHC-Fr, WB-Ce, Human, Normal, Adenomatous, Colorectal tumor mucosa

- Genomic organization, complex splicing pattern and expression of a human septin gene on chromosome 17q25.3.

  McIlhatton MA, Burrows JF, Donaghy PG, Chanduloy S, Johnston PG, Russell SE.

  Oncogene 2001 Sep; 20(41):5930.

- Isolation and mapping of a human septin gene to a region on chromosome 17q, commonly deleted in sporadic epithelial ovarian tumors.

  Russell SE, McIlhatton MA, Burrows JF, Donaghy PG, Chanduloy S, Petty EM, Kalikin LM, Church SW, McIlroy S, Harkin DP, Keilty GW, Cranston AN, Weissenbach J, Hickey I, Johnston PG.

  Cancer Research 2000 Sep; 60(17):4729.

- MSF (MLL septin-like fusion), a fusion partner gene of MLL, in a therapy-related acute myeloid leukemia with a t(11;17)(q23;q25).

  Osaka M, Rowley JD, Zeleznik-Le NJ.

  PNAS 1999 May; 96(11):6428.

Disease

- Brachial Plexus Neuropathies
- Cerebral Hemorrhage
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Stroke
- Subarachnoid Hemorrhage