Datasheet for ABIN390155

anti-Septin 9 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	Septin 9 (SEPT9)
Binding Specificity:	AA 57-85, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Septin 9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This SEPT9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 57-85 amino acids from the C-terminal region of human SEPT9.
Clone:	RB1931
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Septin 9 (SEPT9)
Alternative Name:	SEPT9 (SEPT9 Products)

Target Details

Background:	The maf oncogene was identified by structural analysis of the AS42 avian transforming retrovirus genome. The Maf family is divided into two subclasses, large Mafs (vMaf, cMaf, MafB and Nrl) and small Mafs (MafF, MafK, and MafG). Both subclasses contain leucinezipper motifs, which allow homodimerization as well as heterodimerization with a variety of other bZip transcription factors. Large Mafs also contain an acidic transactivation domain absent in the small Maf proteins. Although they do not possess inherent transactivation activity, small Maf proteins can act as positive regulators of transcription by targeting transcriptionally active dimerization partners to specific DNA regulatory elements. Conversely, small Mafs can act also as negative regulators of transcription by recruiting transcriptional repressors or by forming homodimers that can replace active dimers. Human MafF was isolated in a yeast one-hybrid system from a human myometrium cDNA library. Human MAFF encodes a 164 amino acids proten. Like other small MAFF proteins, it contains an extended leucine zipper structure and lacks an N-terminal transactivating domain. The three small Maf proteins have been implicated in a number of physiological processes, including development, differentiation, haematopoiesis and stress response. Interestingly, these three proteins regulate the stress response via different mechanisms.
Molecular Weight:	65401
Gene ID:	7975
NCBI Accession:	NP_001106963, NP_001106964, NP_001106965, NP_001106966, NP_001106967, NP_001106968, NP_006631
UniProt:	Q9UHD8

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

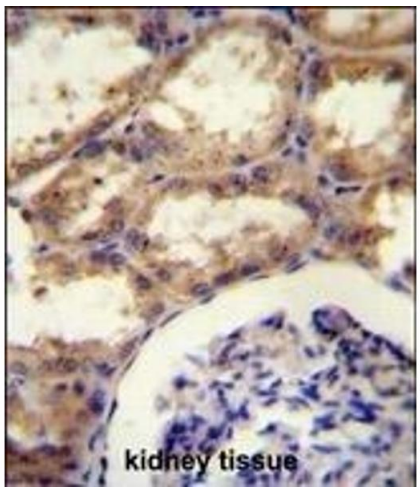
Publications

Product cited in:

Amir, Golan, Mabjeesh: "Targeted knockdown of SEPT9_v1 inhibits tumor growth and angiogenesis of human prostate cancer cells concomitant with disruption of hypoxia-inducible factor-1 pathway." in: **Molecular cancer research : MCR**, Vol. 8, Issue 5, pp. 643-52, (2010) (PubMed).

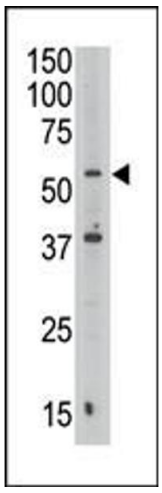
Bennett, Romigh, Eng: "Disruption of transforming growth factor-beta signaling by five frequently methylated genes leads to head and neck squamous cell carcinoma pathogenesis." in: **Cancer research**, Vol. 69, Issue 24, pp. 9301-5, (2009) (PubMed).

Images



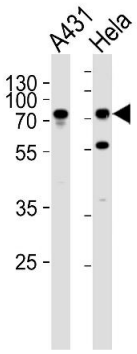
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. SEPT9 Antibody (ABIN390155 and ABIN2840654) immunohistochemistry analysis in formalin fixed and paraffin embedded kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SEPT9 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. The anti-SEPT9 Pab (ABIN390155 and ABIN2840654) is used in Western blot to detect SEPT9 in Jurkat cell lysate.



Western Blotting

Image 3. Western blot analysis of lysates from A431, Hela cell line (from left to right), using SEPT9 Antibody (C-term) (ABIN390155 and ABIN2840654). (ABIN390155 and ABIN2840654) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

Please check the product details page for more images. Overall 6 images are available for ABIN390155.