

MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. CEC-050

Anti-Septin9 isoform3

BACKGROUND

The septin GTPases family have several roles during cell division, cytoskeletal organization and membrane-remodeling events. Spetin 9, a member of the septin family, has several splicing variants and has been reported to be highly expressed in some cancer cells.

Product type Primary antibody

Immunogen Synthetic peptide corresponding to the N-terminus region (aa 1-11) of rat Septin9 isoform3,

MERDRITALKRC

 $\begin{array}{lll} \textbf{Host} & & \text{Rat} \\ \textbf{Clone number} & & 1\text{A6C2} \\ \textbf{Isotype} & & \text{IgG2a, } \kappa \\ \end{array}$

Source Culture supernatant

Purification Ion-exchange chromatography

Form Liquid

Presentation Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300

 $\begin{tabular}{lll} \textbf{Concentration} & 1 mg/mL \\ \textbf{Volume} & 100 ~\mu L \\ \textbf{Label} & Unlabeled \\ \textbf{Specificity} & Septin9 variant3 \\ \end{tabular}$

Cross reactivity Human, Monkey, Mouse, Rat

Storage Store below -20°C (below -70°C for prolonged storage)

Aliquot to avoid cycles of freeze/thaw.

Other -

Application notes Recommended use

WB, ICC, IHC Not tested for other applications.

Recommended dilutions

Western blotting, 1/1,000 to 1/5,000 Immunocytochemistry, 1/100 to 1/500 Immunohistochemistry: 1/100 to 1/500

Optimal dilutions/concentrations should be determined by the end user.

Other species have not been tested.

References 1) TOXICOLOGICAL SCIENCES ,(2011) 119: 61–72.

2) Breast Cancer Research, (2011) 13:R76
3) Scientific Reports. (2017); 7: 44976.

This antibody is used in ref.1, 2 and 3.

ANTIBODY CHARACTERIZATION

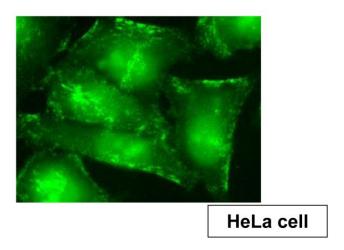


Fig.1 Immunohistochemistry - Septin9 isoform3 (1A6C2) , HeLa cell

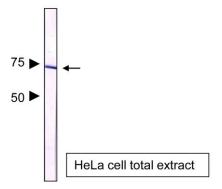


Fig.2 Western blot - Septin9 isoform3 (1A6C2) , HeLa cell total exract

Version#: 1-210208

SEPTINE 9: isoforms

	1				50					100
Septin 9 v1	MKKSYSGGTR	TSSGRLRRLG	DSSGPALKRS	FEVEEVETPN	STPPRRVQTP	LLRATVASST	QKFQDLGVKN	SEPSARHVDS	LSQRSPKASL	RRVELSGPKA
Septin 9 v2	MSDE	AVNAQLDGI	ISDFEALKRS	FEVEEVETPN	STPPRRVQTP	LLRATVASST	QKFQDLGVKN	SEPSARHVDS	LSQRSPKASL	RRVELSGPKA
Septin 9_v3		ME	RDRISALKRS	FEVEEVETPN	STPPRRVQTP	LLRATVASST	QKFQDLGVKN	SEPSARHVDS	LSQRSPKASL	RRVELSGPKA
Septin 9_v4										
Septin 9_v5										
	101	district the second		ALCY COURSE	150	- Navy Company				200
Septin 9_v1	AEPVSRRTEL									
Septin 9_v2		and the second second second second		GLKRAEVLGH						The state of the s
Septin 9_v3	AEPVSRRTEL	The second secon		GLKRAEVLGH		-				-
Septin 9_v4							MEPPAS	KVPEVPTAPA	TDAAPKRVEI	QMPKPAEAPT
Septin 9_v5										
	201				250					300
Septin 9 v1	APSPAQTLEN	SEPAPVSOLO	SRLEPKPOPP	VAEATPRSOE	ATEAAPSCVG	DMADTPRDAG	LKOAPASRNE	KAPVDFGYVG	IDSILEOMRR	KAMKOGFEFN
Septin 9 v2			_	VAEATPRSOE			_			_
Septin 9 v3			The second secon	VAEATPRSQE						
Septin 9 v4				VAEATPRSQE						
Septin 9 v5										
							≅ .0		-	-
	301				350					400
Septin 9_v1	(17) (17) (17)	KSTLINTLFK	SKISRKSVQP	TSEERIPKTI		EKGVRMKLTV	IDTPGFGDHI	NNENCWQPIM	KFINDQYEKY	
Septin 9_v1 Septin 9_v2	IMVVGQSGLG			TSEERIPKTI TSEERIPKTI	EIKSITHDIE					LQEEVNINRK
-	IMVVGQSGLG IMVVGQSGLG	KSTLINTLFK	SKISRKSVQP		EIKSITHDIE EIKSITHDIE	EKGVRMKLTV	IDTPGFGDHI	NNENCWQPIM	KFINDQYEKY	LQEEVNINRK LQEEVNINRK
Septin 9_v2	IMVVGQSGLG IMVVGQSGLG IMVVGQSGLG	KSTLINTLFK KSTLINTLFK	SKISRKSVQP SKISRKSVQP	TSEERIPKTI	EIKSITHDIE EIKSITHDIE EIKSITHDIE	EKGVRMKLTV EKGVRMKLTV	IDTPGFGDHI IDTPGFGDHI	NNENCWQPIM NNENCWQPIM	KFINDQYEKY KFINDQYEKY	LQEEVNINRK LQEEVNINRK LQEEVNINRK
Septin 9_v2 Septin 9_v3	IMVVGQSGLG IMVVGQSGLG IMVVGQSGLG IMVVGQSGLG	KSTLINTLFK KSTLINTLFK KSTLINTLFK	SKISRKSVQP SKISRKSVQP SKISRKSVQP	TSEERIPKTI TSEERIPKTI	EIKSITHDIE EIKSITHDIE EIKSITHDIE EIKSITHDIE	EKGVRMKLTV EKGVRMKLTV EKGVRMKLTV	IDTPGFGDHI IDTPGFGDHI IDTPGFGDHI	NNENCWQPIM NNENCWQPIM NNENCWQPIM	KFINDQYEKY KFINDQYEKY KFINDQYEKY	LQEEVNINRK LQEEVNINRK LQEEVNINRK LQEEVNINRK
Septin 9_v2 Septin 9_v3 Septin 9_v4	IMVVGQSGLG IMVVGQSGLG IMVVGQSGLG IMVVGQSGLG	KSTLINTLFK KSTLINTLFK KSTLINTLFK	SKISRKSVQP SKISRKSVQP SKISRKSVQP	TSEERIPKTI TSEERIPKTI TSEERIPKTI	EIKSITHDIE EIKSITHDIE EIKSITHDIE EIKSITHDIE EIKSITHDIE	EKGVRMKLTV EKGVRMKLTV EKGVRMKLTV	IDTPGFGDHI IDTPGFGDHI IDTPGFGDHI	NNENCWQPIM NNENCWQPIM NNENCWQPIM	KFINDQYEKY KFINDQYEKY KFINDQYEKY	LQEEVNINRK LQEEVNINRK LQEEVNINRK LQEEVNINRK LQEEVNINRK
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Septin 9_v2 Septin 9_v3 Septin 9_v4 Septin 9_v5 Septin 9_v1 Septin 9_v2 Septin 9_v3 Septin 9_v4 Septin 9_v5 Septin 9_v5	IMVVGQSGLG IMVVGQSGLG IMVVGQSGLG IMVVGQSGLG IMVVGQSGLG 401 KRIPDTRVHC KRIPDTRVHC KRIPDTRVHC KRIPDTRVHC KRIPDTRVHC GSDHEYQVNG GSDHEYQVNG GSDHEYQVNG GSDHEYQVNG	KSTLINTLFK KSTLINTLFK KSTLINTLFK CLYFIPATGH CLYFIPATGH CLYFIPATGH CLYFIPATGH CLYFIPATGH CLYFIPATGH KRILGRKTKW KRILGRKTKW KRILGRKTKW	SKISRKSVQP SKISRKSVQP SKISRKSVQP SKISRKSVQP SLRPLDIEFM SLRPLDIEFM SLRPLDIEFM SLRPLDIEFM GTIEVENTTH GTIEVENTTH GTIEVENTTH	TSEERIPKTI TSEERIPKTI TSEERIPKTI TSEERIPKTI KRLSKVVNIV KRLSKVVNIV KRLSKVVNIV KRLSKVVNIV CEFAYLRDLL CEFAYLRDLL	EIKSITHDIE EIKSITHDIE EIKSITHDIE EIKSITHDIE 450 PVIAKADTLT PVIAKADTLT PVIAKADTLT PVIAKADTLT PVIAKADTLT PVIAKADTLT INTERPRETER 550 IRTHMQNIKD IRTHMQNIKD IRTHMQNIKD	EKGVRMKLTV EKGVRMKLTV EKGVRMKLTV LEERVHFKQR LEERVHFKQR LEERVHFKQR LEERVHFKQR LEERVHFKQR ITSSIHFEAY ITSSIHFEAY ITSSIHFEAY	IDTPGFGDHI IDTPGFGDHI IDTPGFGDHI IDTPGFGDHI ITADLLSNGI ITADLLSNGI ITADLLSNGI ITADLLSNGI ITADLLSNGI ITADLLSNGI RVKRLNEGSS RVKRLNEGSS RVKRLNEGSS RVKRLNEGSS	NNENCWQPIM NNENCWQPIM NNENCWQPIM DVYPQKEFDE DVYPQKEFDE DVYPQKEFDE DVYPQKEFDE DVYPQKEFDE AMANGVEEKE AMANGVEEKE	KFINDQYEKY KFINDQYEKY KFINDQYEKY KFINDQYEKY DSEDRLVNEK	LQEEVNINRK LQEEVNINRK LQEEVNINRK LQEEVNINRK LQEEVNINRK FREMIPFAVV FREMIPFAVV FREMIPFAVV FREMIPFAVV

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