



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. CEC-048

Anti-Septin9 isoform1

BACKGROUND

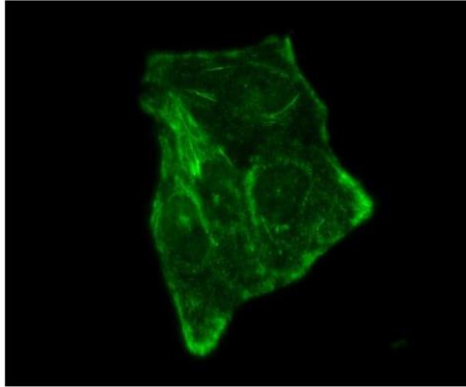
The septin GTPases family have several roles during cell division, cytoskeletal organization and membrane-remodeling events. Spetin 9, a member of the septin family, has several splicing variants and has been reported to be highly expressed in some cancer cells.

Product type	Primary antibody
Immunogen	Synthetic peptide corresponding to the N-terminus region (aa 1-29) of human Septin9 isoform1, MKKSYSGGTRTSSGRLRRLG DSSGPALKRS
Host	Rat
Clone number	4D2A5
Isotype	IgG2a, κ
Source	Culture supernatant
Purification	Ion-exchange chromatography
Form	Liquid
Presentation	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
Concentration	1 mg/mL
Volume	100 μ L
Label	Unlabeled
Specificity	Septin9 variant1
Cross reactivity	Human Other species have not been tested.
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 Not tested for other applications. Recommended dilutions Western blotting, 1/1,000 to 1/5,000 Immunocytochemistry, 1/100 to 1/500 Optimal dilutions/concentrations should be determined by the end user.
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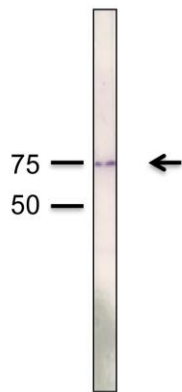
References	1) Scientific Reports. (2017); 7: 44976. This antibody is used in ref.1
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ANTIBODY CHARACTERIZATION



T47D cell

Fig.1 Immunohistochemistry - Septin9 isoform1 (4D2A5) , T47D cell



T47D cell total extract

Fig.2 Western blot - Septin9 isoform1 (4D2A5) , T47D cell total extract

SEPTINE 9: isoforms

	1				50					100
Septin 9_v1	MKKSYSGGTR	TSSGRLRLRG	DSSGPALKRS	FEVEEVETPN	STPPRRVQTP	LLRATVASST	QKFQDLGVKN	SEPSARHVDS	LSQRSPKASL	RRVELSGPKA
Septin 9_v2	.....MSDP	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				150					200
Septin 9_v1	AEPVSRRTTEL	SIDISSKQVE	NAGAIGPSRF	GLKRAEVLGH	KTPEPAPRRT	EITIVKQES	AHRRMEPPAS	KVPEVPTAPA	TDAAPKRVEI	QMPKPAEAPT
Septin 9_v2	AEPVSRRTTEL	SIDISSKQVE	NAGAIGPSRF	GLKRAEVLGH	KTPEPAPRRT	EITIVKQES	AHRRMEPPAS	KVPEVPTAPA	TDAAPKRVEI	QMPKPAEAPT
Septin 9_v3	AEPVSRRTTEL	SIDISSKQVE	NAGAIGPSRF	GLKRAEVLGH	KTPEPAPRRT	EITIVKQES	AHRRMEPPAS	KVPEVPTAPA	TDAAPKRVEI	QMPKPAEAPT
Septin 9_v4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Septin 9_v5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	201				250					300
Septin 9_v1	APSPAQTLEN	SEPAPVSQIQ	SRLEPKQPP	VAEATPRSQE	ATEAAPSCVG	DMADTPRDAG	LKQAPASRNE	KAPVDFGYVG	IDSILEQMRR	KAMKQGFEN
Septin 9_v2	APSPAQTLEN	SEPAPVSQIQ	SRLEPKQPP	VAEATPRSQE	ATEAAPSCVG	DMADTPRDAG	LKQAPASRNE	KAPVDFGYVG	IDSILEQMRR	KAMKQGFEN
Septin 9_v3	APSPAQTLEN	SEPAPVSQIQ	SRLEPKQPP	VAEATPRSQE	ATEAAPSCVG	DMADTPRDAG	LKQAPASRNE	KAPVDFGYVG	IDSILEQMRR	KAMKQGFEN
Septin 9_v4	APSPAQTLEN	SEPAPVSQIQ	SRLEPKQPP	VAEATPRSQE	ATEAAPSCVG	DMADTPRDAG	LKQAPASRNE	KAPVDFGYVG	IDSILEQMRR	KAMKQGFEN
Septin 9_v5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	301				350					400
Septin 9_v1	IMVVGQSGLG	KSTLINTLFLK	SKISRKSVQP	TSEERIPKTI	EIKSITHDIE	EKGVRMCLTV	IDTPGFGDHI	NNENCWQPI	KFINDQYEKY	LQEEVNINRK
Septin 9_v2	IMVVGQSGLG	KSTLINTLFLK	SKISRKSVQP	TSEERIPKTI	EIKSITHDIE	EKGVRMCLTV	IDTPGFGDHI	NNENCWQPI	KFINDQYEKY	LQEEVNINRK
Septin 9_v3	IMVVGQSGLG	KSTLINTLFLK	SKISRKSVQP	TSEERIPKTI	EIKSITHDIE	EKGVRMCLTV	IDTPGFGDHI	NNENCWQPI	KFINDQYEKY	LQEEVNINRK
Septin 9_v4	IMVVGQSGLG	KSTLINTLFLK	SKISRKSVQP	TSEERIPKTI	EIKSITHDIE	EKGVRMCLTV	IDTPGFGDHI	NNENCWQPI	KFINDQYEKY	LQEEVNINRK
Septin 9_v5	IMVVGQSGLG	KSTLINTLFLK	SKISRKSVQP	TSEERIPKTI	EIKSITHDIE	EKGVRMCLTV	IDTPGFGDHI	NNENCWQPI	KFINDQYEKY	LQEEVNINRK
	401				450					500
Septin 9_v1	KRIPDTRVHC	CLYFIPATGH	SLRPLDIEFM	KRLSKVVNIV	PVIAKADTLT	LEERVHFKQR	ITADLLSNGI	DVYPQKEFDE	DSEDRLVNEK	FREMIFFAVV
Septin 9_v2	KRIPDTRVHC	CLYFIPATGH	SLRPLDIEFM	KRLSKVVNIV	PVIAKADTLT	LEERVHFKQR	ITADLLSNGI	DVYPQKEFDE	DSEDRLVNEK	FREMIFFAVV
Septin 9_v3	KRIPDTRVHC	CLYFIPATGH	SLRPLDIEFM	KRLSKVVNIV	PVIAKADTLT	LEERVHFKQR	ITADLLSNGI	DVYPQKEFDE	DSEDRLVNEK	FREMIFFAVV
Septin 9_v4	KRIPDTRVHC	CLYFIPATGH	SLRPLDIEFM	KRLSKVVNIV	PVIAKADTLT	LEERVHFKQR	ITADLLSNGI	DVYPQKEFDE	DSEDRLVNEK	FREMIFFAVV
Septin 9_v5	KRIPDTRVHC	CLYFIPATGH	SLRPLDIEFM	KRLSKVVNIV	PVIAKADTLT	LEERVHFKQR	ITADLLSNGI	DVYPQKEFDE	DSEDRLVNEK	FREMIFFAVV
	501				550					586
Septin 9_v1	GSDHEYQVNG	KRILGRKTKW	GTIEVENTTH	CEFAYLRDLL	IRTHMQNIKD	ITSSIHFEAY	RVKRLNEGSS	AMANGVEEKE	PEAPEM	
Septin 9_v2	GSDHEYQVNG	KRILGRKTKW	GTIEVENTTH	CEFAYLRDLL	IRTHMQNIKD	ITSSIHFEAY	RVKRLNEGSS	AMANGVEEKE	PEAPEM	
Septin 9_v3	GSDHEYQVNG	KRILGRKTKW	GTIEVENTTH	CEFAYLRDLL	IRTHMQNIKD	ITSSIHFEAY	RVKRLNEGSS	AMANGVEEKE	PEAPEM	
Septin 9_v4	GSDHEYQVNG	KRILGRKTKW	GTIEVENTTH	CEFAYLRDLL	IRTHMQNIKD	ITSSIHFEAY	RVKRLNEGSS	AMANGVEEKE	PEAPEM	
Septin 9_v5	GSDHEYQVNG	KRILGRKTKW	GTIEVENTTH	CEFAYLRDLL	IRTHMQNIKD	ITSSIHFEAY	RVKRLNEGSS	AMANGVEEKE	PEAPEM	

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