

**DATASHEET**

**Septin 9 Rabbit Polyclonal Antibody**

CAT. NO. APA14833

**KEY FEATURES**

Target	Septin 9	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Filament-forming cytoskeletal GTPase . May play a role in cytokinesis (Potential). May play a role in the internalization of 2 intracellular microbial pathogens, Listeria monocytogenes and Shigella flexneri.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to Septin 9
Specificity	Recognizes endogenous levels of Septin 9 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Septin 9
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 38; Observed: 75 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA0991; MSF; Septin-9; MLL septin-like fusion protein MSF-A; MLL septin-like fusion protein; Ovarian/Breast septin; Ov/Br septin; Septin D1
Gene Symbol	SEPT9
Entrez Gene	10801(Human); 53860(Mouse); 83788(Rat)
SwissProt	Q9UHD8(Human); Q80UG5(Mouse); Q9QZR6(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

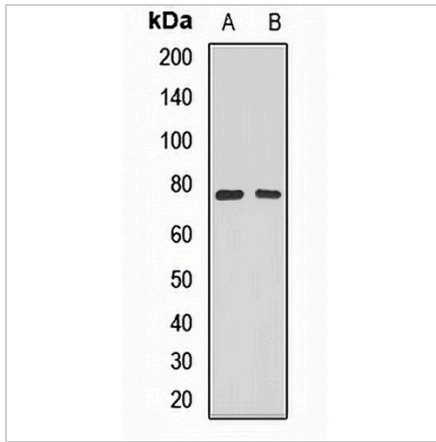
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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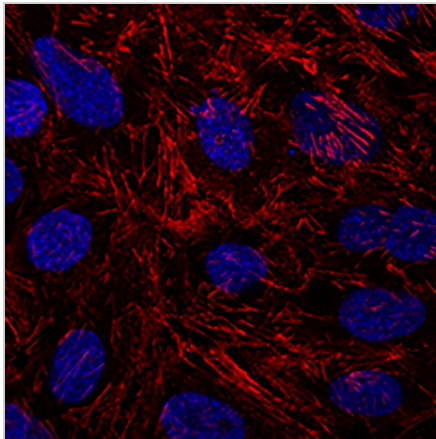
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**DATA**



Western blot analysis of Septin 9 expression in Jurkat (A), HeLa (B) whole cell lysates. (Predicted band size: 38; 41; 47; 52; 63; 64; 65 kD; Observed band size: 75 kD)



Immunofluorescent analysis of Septin 9 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.