

Product Name: KD-Validated Septin 2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00912

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 41.5kDa

Antigen Information

Gene Name	SEPTIN2 Septin 2; KIAA0158; Septin-2; HNedd5; Pnutl3; DIFF6; NEDD5; SEPT2; Neural Precursor Cell
Alternative Names	Expressed, Developmentally Down-Regulated 5; NEDD-5; Neural Precursor Cell Expressed Developmentally Down-Regulated Protein 5; Epididymis Secretory Sperm Binding Protein
Gene ID	4735.0
SwissProt ID	Q15019
Immunogen	A synthesized peptide derived from human Septin 2

Background

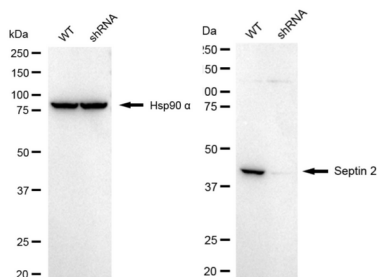
Enables identical protein binding activity. Predicted to be involved in several processes, including cilium assembly; cytoskeleton-dependent cytokinesis; and smoothened signaling pathway. Predicted to act upstream of or within regulation of

L-glutamate import across plasma membrane and regulation of protein localization. Located in several cellular components, including cytoskeleton; photoreceptor connecting cilium; and sperm annulus. Part of septin complex. [provided by Alliance of Genome Resources, Jul 2025]

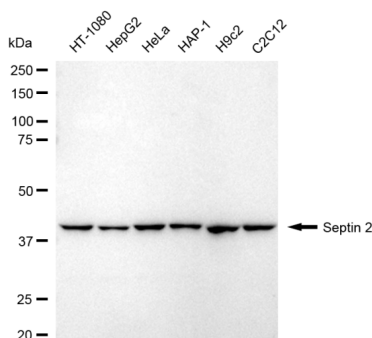
Research Area

Cell Biology

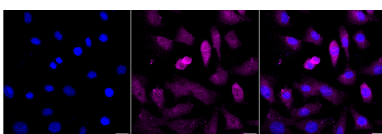
Image Data



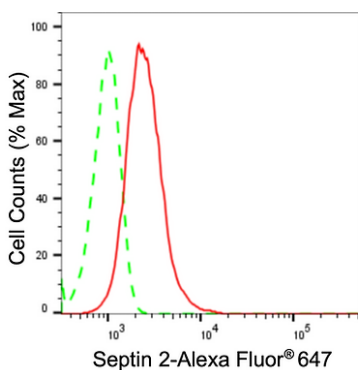
Western blotting analysis using septin 2 antibody (KVA00912). Septin 2 expression in wild-type (WT) and septin 2 (SEPTIN2) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with septin 2 antibody (KVA00912, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Septin 2 antibody (KVA00912). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Septin 2 antibody (KVA00912, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Septin 2 antibody (KVA00912, 1:1,000). Nuclei were stained blue with DAPI; Septin 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Septin 2 expression in C2C12 cells using Septin 2 antibody (KVA00912, 1:2,000). Green, isotype control; red, Septin 2.