

anti- SEPT2 antibody

Product Information

Catalog No.:	FNab07722
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	8H4
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Plays a role in the biogenesis of polarized columnar-shaped epithelium by maintaining polyglutamylated microtubules, thus facilitating efficient vesicle transport, and by impeding MAP4 binding to tubulin. Required for the progression through mitosis. Forms a scaffold at the midplane of the mitotic spindle required to maintain CENPE localization at kinetochores and consequently chromosome congression. During anaphase, may be required for chromosome segregation and spindle elongation. Plays a role in ciliogenesis and collective cell movements. In cilia, required for the integrity of the diffusion barrier at the base of the primary cilium that prevents diffusion of transmembrane proteins between the cilia and plasma membranes: probably acts by regulating the assembly of the tectonic-like complex(also named B9 complex) by localizing TMEM231 protein. May play a role in the internalization of 2 intracellular microbial pathogens, *Listeria monocytogenes* and *Shigella flexneri*.

Immunogen information

Immunogen:	septin 2
Synonyms:	hNedd5, NEDD 5, NEDD5, SEPT2, SEPT2/septin 2, septin 2, septin2
Observed MW:	43 kDa
Uniprot ID :	Q15019

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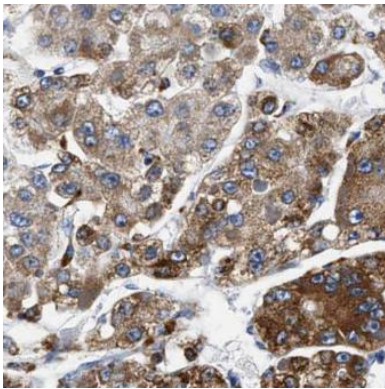
Application

Reactivity: Human, Mouse, Rat

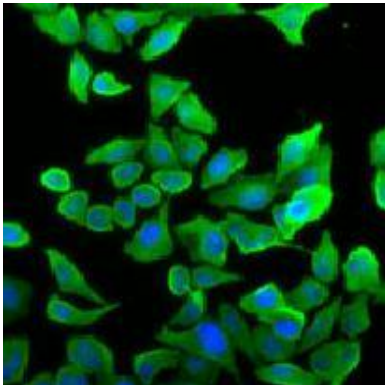
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:2000-1:20000; IHC: 1:50-1:2000; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using FNab07722(SEPT2 Antibody) at dilution of 1:800



Immunofluorescence analysis of U2OS cells using SEPT2 antibody (FNab07722). Blue: DAPI for nuclear staining.

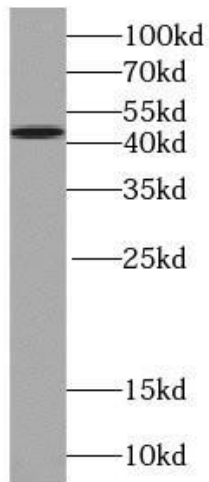
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HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab07722(SEPT2 Antibody) at 1:8000.