

## **Product datasheet for TA359774**

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# Septin 2 (SEPT2) Rabbit Polyclonal Antibody

### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

**Immunogen:** The immunogen is a synthetic peptide directed towards the C-terminal region of Human

SEPT2

**Specificity: Expected reactivity**: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

**Concentration:** lot specific

Purification: Affinity purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 39kDa **Gene Name:** septin 2

Database Link: XP 006712612

Entrez Gene 4735 Human

Q15019



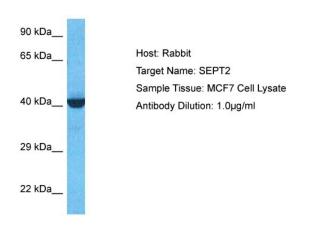
#### Background:

SEPT2 is a filament-forming cytoskeletal GTPase. It is required for normal organization of the actin cytoskeleton. It 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. It is required for the progression through mitosis. Forms a scaffold at the midplane of the mitotic splindle required to maintain CENPE localization at kinetochores and consequently chromosome congression. During anaphase, may be required for chromosome segregation and spindle elongation. It 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. It may play a role in the internalization of 2 intracellular microbial pathogens, Listeria monocytogenes and Shigella flexneri.

Synonyms:

DIFF6; hNedd5; KIAA0158; NEDD-5; NEDD5; OTTHUMP00000200251; Pnutl3

## **Product images:**



Host: Rabbit Target Name: SEPT2

Sample Type: MCF7 Whole Cell lysates

Antibody Dilution: 1.0ug/ml