

## Product datasheet for **TA373093**

### SEPTIN4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB,1:200 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human Septin 4 (NP_536341.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	30kDa/38kDa/53kDa/54kDa/55kDa/56kDa
Gene Name:	septin 4
Database Link:	<a href="#">Entrez Gene 5414 Human O43236</a>



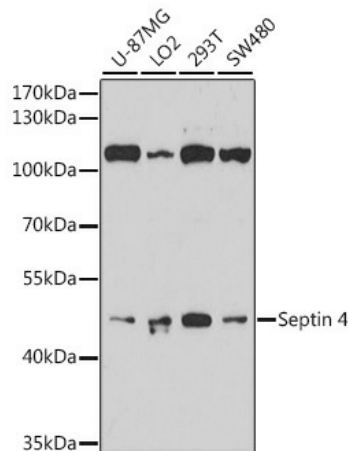
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**Background:**

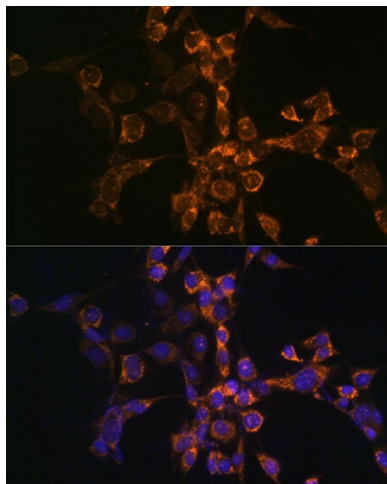
This gene is a member of the septin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, *Drosophila*, and mouse, and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is highly expressed in brain and heart. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. One of the isoforms (known as ARTS) is distinct; it is localized to the mitochondria, and has a role in apoptosis and cancer.

**Synonyms:**

ARTS; BRADEION; CE5B3; H5; hCDCREL-2; hucep-7; MART; PNUTL2; SEP4; septin-M

**Product images:**

Western blot analysis of extracts of various cell lines, using Septin 4 antibody (TA373093) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 90s.



Immunofluorescence analysis of NIH-3T3 cells using Septin 4 Polyclonal Antibody (TA373093) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.