

## Product datasheet for **AP22419PU-N**

### SEPTIN4 (425-435) Goat Polyclonal Antibody

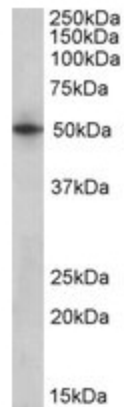
#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: Limit Dilution: 1/64000. Western blot: 1-3 µg/ml. Approx 50kDa band observed in Human and Mouse Heart lysates.
Reactivity:	Bovine, Canine, Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_004565.1; NP_536341.1, NP_001185642.1
Specificity:	Recognizes SEPT4 (425-435). This antibody is expected to recognize isoform 1 (NP_004565.1), 3 (NP_536341.1) and 4 (NP_001185642.1).
Formulation:	Tris saline, pH~7.3 with 0.02% Sodium Azide and 0.5% BSA State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	septin 4
Database Link:	<a href="#">Entrez Gene 18952 Mouse</a> <a href="#">Entrez Gene 5414 Human</a> <a href="#">Q8NEP4</a>



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- Background:** The ARTS gene is a member of the septin gene 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. ARTS encodes a protein that is thought to be part of a complex involved in cytokinesis.
- Synonyms:** PNUTL2, hucep-7, Peanut-like protein 2, Brain protein H5, Bradeion beta, CE5B3 beta, Cerebral protein 7, hCDCREL-2, ARTS
- Note:** Calculated Molecular Weight: 55.1kDa (NP\_004565.1) and 53.0kDa (NP\_536341).

**Product images:**

ARTS antibody staining of Human Heart lysate at 1ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.