

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10427 - Goat Anti-SEPT4 (aa425-435) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ARTS, BRADEION, CE5B3, cell division control-related protein 2, cerebral protein 7, H5, hCDCREL-2, hucep-7, MART, peanut-like 2, PNUTL2, SEP4, septin 4

**Official Symbol:** SEPT4

**Accession Number(s):** NP\_004565.1; NP\_536341.1, NP\_001185642.1

**Human GeneID(s):** [5414](#)

**Non-Human GeneID(s):** 18952 (mouse)

**Important Comments:** This antibody is expected to recognize isoform 1 (NP\_004565.1), 3 (NP\_536341.1) and 4 (NP\_001185642.1). Amino acid numbering in name refers to NP\_004565.1 sequence.

### Immunogen

Peptide with sequence C-RNKLTRESGTD, from the internal region of the protein sequence according to NP\_004565.1; NP\_536341.1, NP\_001185642.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 50kDa band observed in Human and Mouse Heart lysates (calculated MW of 55.1kDa according to NP\_004565.1 and 53.0kDa according to NP\_536341). Recommended concentration: 1-3µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Dog, Cow

EB10427 (1µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.