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EB10428 - Goat Anti-SEPT4 (aa33-44) 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: SEPTIN4
Accession Number(s): NP_004565.1; NP_536340.1; NP_536341.1; NP_001185642.1
Human GeneID(s): 5414
Non-Human GeneID(s): 18952 (mouse)
Important Comments: This antibody is expected to recognize all reported isoforms (NP_004565.1; NP_536340.1; NP_536341.1, NP_001185642.1). Amino acid numbering in name refers to NP_004565.1 sequence.

Immunogen

Peptide with sequence C-ELSKFVKDFSGN, from the internal region of the protein sequence according to NP_004565.1; NP_536340.1; 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 1:16000.
Western blot: Approx 55kDa band observed in nuclear lysates of cell lines Jurkat and in LNCaP cell lysates, 50-55kDa in Human Cerebellum lysates, and approx. 50kDa in Mouse Brain lysates (calculated MW of 53.0kDa according to Human NP_536341.1 and 49.4kDa according to Mouse NP_001271323.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse
Expected from sequence similarity: Human, Mouse

EB10428 (0.3µg/ml) staining of Jurkat nuclear (A) and LNCaP (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB10428 (0.3µg/ml) staining of 1Human Cerebellum (A) and Mouse Brain (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB10428 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.