

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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 GenelD(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 Heart lysates and in preliminary testing of Mouse Brain lysate (calculated MW of 53.0kDa according to NP_536341.1). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature. **IHC:** Paraffin embedded Human Brain (Cerebellum). Recommended concentration: 3.75µg/ml.

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

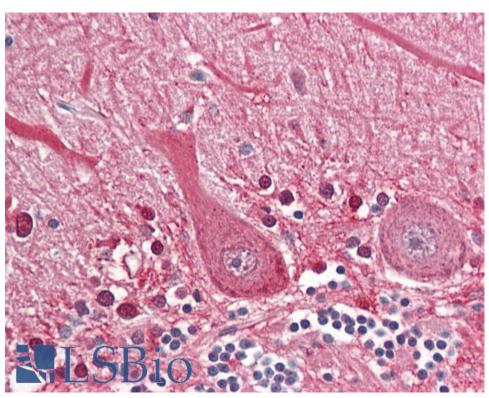
Species Reactivity

Tested: Human

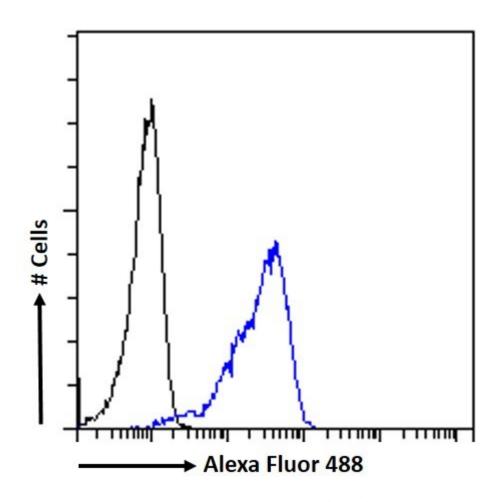
Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

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



EB10427 (3.75µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB10427 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.