

Datasheet for ABIN571248
anti-Septin 4 antibody (AA 425-435)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Septin 4 (SEPT4)
Binding Specificity:	AA 425-435
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Septin 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	SEPT4 (aa425-435)
Immunogen:	C-RNKLTRESGTD
Sequence:	RNKLTRESGT D
Isotype:	IgG
Specificity:	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.
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

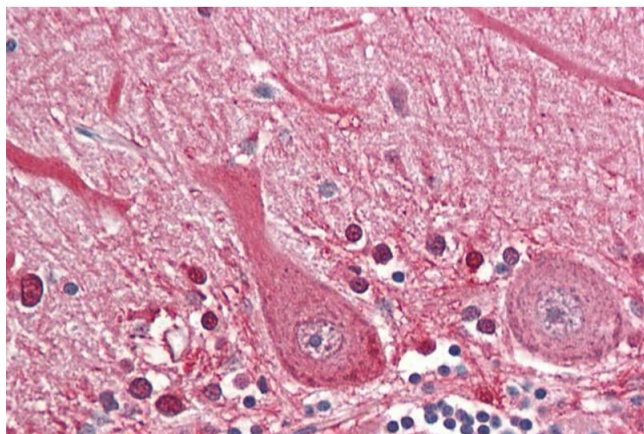
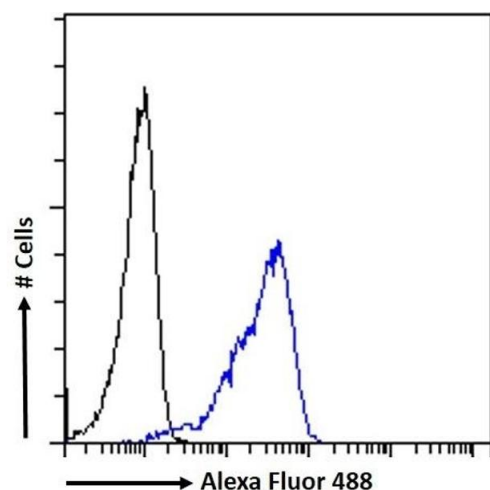
Target:	Septin 4 (SEPT4)
Alternative Name:	SEPT4 (SEPT4 Products)
Background:	SEPT4, septin 4, ARTS, BRADEION, CE5B3, H5, MART, PNUTL2, SEP4, hCDCREL-2, hucep-7, cell division control-related protein 2, cerebral protein 7, peanut-like 2, septin-M
Gene ID:	5414, 18952
NCBI Accession:	NP_004565 , NP_536341 , NP_001185642

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Brain (Cerebellum). Recommended concentration: 3.75 µg/mL. Western Blot: Approx 50 kDa band observed in Human Heart lysates and in preliminary testing of Mouse Brain lysate (calculated MW of 53.0 kDa according to NP_536341.1). Recommended concentration: 1-3 µg/mL. Primary incubation 1 hour at room temperature. Peptide ELISA: antibody detection limit dilution 1:64000.
Comment:	Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Flow Cytometry

Image 1. (ABIN571248) Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 μ g/mL) followed by Alexa Fluor 488 secondary antibody (1 μ g/mL). IgG control: Unimmunized goat IgG (black line)

Western Blotting

Image 2. ABIN571248 (1 μ g/ml) staining of Human Heart lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Immunohistochemistry

Image 3. ABIN571248 (3.75 μ g/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.