

Datasheet for ABIN7602924
anti-Septin 5 antibody (C-Term)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Septin 5 (SEPT5)
Binding Specificity:	C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Septin 5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SEPT5/SEPTIN5 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human SEPT5/SEPTIN5, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SEPT5/SEPTIN5 Antibody Picoband® (ABIN7602924). Tested in Flow Cytometry, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Septin 5 (SEPT5)
Alternative Name:	SEPTIN5 (SEPT5 Products)
Background:	Synonyms: Interleukin-17B, IL-17B, Cytokine CX1, Cytokine-like protein ZCYTO7, Neuronal interleukin-17-related factor, Il17b, Nirf, Zcyto7 Tissue Specificity: Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary. Background: This 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. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. This gene is mapped to 22q11, the region frequently deleted in DiGeorge and velocardiofacial syndromes. A translocation involving the MLL gene and this gene has also been reported in patients with acute myeloid leukemia. Alternative splicing results in multiple transcript variants. The presence of a non-consensus polyA signal (AACAAAT) in this gene also results in read-through transcription into the downstream neighboring gene (GP1BB, platelet glycoprotein Ib), whereby larger, non-coding transcripts are produced.
Molecular Weight:	42 kDa
Gene ID:	5413
UniProt:	Q99719
Pathways:	Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL/mL, Human Flow Cytometry (Fixed), 1-3 µg/mL/1x10⁶ cells, Human, Rat 1. Blaser, S., Jersch, K., Hainmann, I., Wunderle, D., Zgaga-Griesz, A., Busse, A., Zieger, B. Human septin-septin interaction: CDCrel-1 partners with KIAA0202. FEBS Lett. 519: 169-172, 2002. 2. Caltagarone, J., Rhodes, J., Honer, W. G., Bowser, R. Localization of a novel septin protein, hCDCrel-1, in neurons of human brain. Neuroreport 9: 2907-2912, 1998. 3. Dent, J., Kato, K., Peng, X.-R., Martinez, C., Cattaneo, M., Poujol, C., Nurden, P., Nurden, A., Trimble, W. S., Ware, J. A prototypic platelet septin and its participation in secretion. Proc. Nat. Acad. Sci. 99: 3064-3069, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.