

Datasheet for ABIN7602363  
**anti-Septin 12 antibody (AA 71-358)**



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## Overview

Quantity:	100 µg
Target:	Septin 12 (Sep12)
Binding Specificity:	AA 71-358
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Septin 12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	Anti-SEPTIN12 Antibody Picoband®
Immunogen:	E.coli-derived human SEPTIN12 recombinant protein (Position: K71-F358).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SEPTIN12 Antibody Picoband® (ABIN7602363). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, 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

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Target:	Septin 12 (Sep12)
Alternative Name:	SEPTIN12 ( <a href="#">Sep12 Products</a> )
Background:	<p>Synonyms: Mitochondrial import inner membrane translocase subunit Tim17-A, Inner membrane preprotein translocase Tim17a, TIMM17A, MIMT17, TIM17, TIM17A, TIMM17</p> <p>Background: Septin 12 is a protein that in humans is encoded by the SEPT12 gene. This gene encodes a guanine-nucleotide binding protein and member of the septin family of cytoskeletal GTPases. Septins play important roles in cytokinesis, exocytosis, embryonic development, and membrane dynamics. Multiple transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Weight:	45 kDa
Gene ID:	124404

## Application Details

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Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hall, P. A., Jung, K., Hillan, K. J., Russell, S. E. H. Expression profiling the human septin gene family. <i>J. Path.</i> 206: 269-278, 2005. 2. Kuo, Y.-C., Lin, Y.-H., Chen, H.-I., Wang, Y.-Y., Chiou, Y.-W., Lin, H.-H., Pan, H.-A., Wu, C.-M., Su, S.-M., Hsu, C.-C., Kuo, P.-L. SEPT12 mutations cause male infertility with defective sperm annulus. <i>Hum. Mutat.</i> 33: 710-719, 2012. 3. Lin, Y.-H., Chou, C.-K., Hung, Y.-C., Yu, I.-S., Pan, H.-A., Lin, S.-W., Kuo, P.-L. SEPT12 deficiency causes sperm nucleus damage and developmental arrest of preimplantation embryos. <i>Fertil. Steril.</i> 95: 363-365, 2011.</p>
Restrictions:	For Research Use only

## Handling

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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 <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C, -20 °C
Storage Comment:	<p>At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.</p> <p>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and</p>

thawing.