

Datasheet for ABIN7599275
anti-Septin 2 antibody (AA 1-326)



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Overview

Quantity:	100 µg
Target:	Septin 2 (SEPT2)
Binding Specificity:	AA 1-326
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Septin 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Septin 2/SEPTIN2 Antibody Picoband®
Immunogen:	E.coli-derived human Septin 2/SEPTIN2 recombinant protein (Position: M1-E326).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Septin 2/SEPTIN2 Antibody Picoband® (ABIN7599275). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Monkey, 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

Target:	Septin 2 (SEPT2)
Alternative Name:	SEPTIN2 (SEPT2 Products)
Background:	Synonyms: NADH-ubiquinone oxidoreductase chain 2, NADH dehydrogenase subunit 2, MtnD2, mt-Nd2, Nd2 Tissue Specificity: Ubiquitously expressed. Background: Septin 2, also known as SEPT2, is a protein which in humans is encoded by the SEPT2 gene. Enables identical protein binding activity. Predicted to be involved in several processes, including cilium assembly, regulation of exocytosis, and smoothened signaling pathway. Predicted to act upstream of or within regulation of L-glutamate import across plasma membrane and regulation of protein localization. Located in several cellular components, including cytoskeleton, photoreceptor connecting cilium, and sperm annulus. Part of septin complex.
Molecular Weight:	41 kDa
Gene ID:	4735
UniProt:	Q15019

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Monkey, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Xu C et al. Coupling function of cyclin-dependent kinase 2 and Septin2 in the promotion of hepatocellular carcinoma. Cancer Sci 110:540-549 (2019). 2. Omrane M et al. Septin 9 has Two Polybasic Domains Critical to Septin Filament Assembly and Golgi Integrity. iScience 13:138-153 (2019). 3. Akil A et al. Septin 9 induces lipid droplets growth by a phosphatidylinositol-5-phosphate and microtubule-dependent mechanism hijacked by HCV. Nat Commun 7:12203 (2016).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

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.