

Datasheet for ABIN7599524
anti-RPS28 antibody (AA 1-69)



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Overview

Quantity:	100 µg
Target:	RPS28
Binding Specificity:	AA 1-69
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS28 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-RPS28 Antibody Picoband®
Immunogen:	E.coli-derived human RPS28 recombinant protein (Position: M1-R69).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RPS28 Antibody Picoband® (ABIN7599524). Tested in ELISA, IF, IHC, ICC, 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

Target:	RPS28
Alternative Name:	RPS28 (RPS28 Products)
Background:	<p>Synonyms: RNA-binding protein Nova-2, Astrocytic NOVA1-like RNA-binding protein, Neuro-oncological ventral antigen 2, NOVA2, ANOVA, NOVA3</p> <p>Tissue Specificity: Brain. Expression restricted to astrocytes.</p> <p>Background: 40S ribosomal protein S28 is a protein that in humans is encoded by the RPS28 gene. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S28E family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.</p>
Molecular Weight:	12 kDa
Gene ID:	6234
UniProt:	P62857

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Chan, Y.-L., Olvera, J., Wool, I. G. The primary structure of rat ribosomal protein S28. Biochem. Biophys. Res. Commun. 179: 314-318, 1991. 2. Gripp, K. W., Curry, C., Olney, A. H., Sandoval, C., Fisher, J., Chong, J. X.-L., UW Center for Mendelian Genomics, Pilchman, L., Sahraoui, R., Stabley, D. L., Sol-Church, K. Diamond-Blackfan anemia with mandibulofacial dystostosis (sic) is heterogeneous, including the novel DBA genes TSR2 and RPS28. Am. J. Med. Genet. 164A: 2240-2249, 2014. 3. Kenmochi, N., Kawaguchi, T., Rozen, S., Davis, E., Goodman, N., Hudson, T. J., Tanaka, T., Page, D. C. A map of 75 human ribosomal protein genes. Genome Res. 8: 509-523, 1998.</p>
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.