

Datasheet for ABIN7601997
anti-RPS2 antibody (AA 54-293)



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Overview

Quantity:	100 µg
Target:	RPS2
Binding Specificity:	AA 54-293
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RPS2 Antibody Picoband®
Immunogen:	E.coli-derived human RPS2 recombinant protein (Position: K54-T293).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RPS2 Antibody Picoband® (ABIN7601997). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. 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:	RPS2
Alternative Name:	RPS2 (RPS2 Products)
Background:	Synonyms: Zona pellucida sperm-binding protein 3, Sperm receptor, ZP3A/ZP3B, Zona pellucida glycoprotein 3, Zp-3, Zona pellucida protein C, ZP3, ZP3A, ZP3B, ZPC Tissue Specificity: Oocytes. Background: The RPS2 gene is the gene which, in humans, encodes the 40S ribosomal protein S2. 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 S5P family of ribosomal proteins. It is located in the cytoplasm. This gene shares sequence similarity with mouse LLRep3. It is co-transcribed with the small nucleolar RNA gene U64, which is located in its third intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Molecular Weight:	31 kDa
Gene ID:	6187
UniProt:	P15880
Pathways:	Ribonucleoprotein Complex Subunit Organization , Ribosome Assembly

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. 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. <i>Genome Res.</i> 8: 509-523, 1998. 2. Slynn, G., Jenner, D., Potts, W., Elvin, P., Morten, J. E. N., Markham, A. F. Human cDNA sequence homologous to the mouse LLRep3 gene family. <i>Nucleic Acids Res.</i> 18: 681 only, 1990.
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.