

Datasheet for ABIN7599038
anti-PPIH antibody (AA 1-177)



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Overview

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| Quantity: | 100 µg |
| Target: | PPIH |
| Binding Specificity: | AA 1-177 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PPIH antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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| Purpose: | Anti-PPIH Antibody Picoband® |
| Immunogen: | E.coli-derived human PPIH recombinant protein (Position: M1-M177). Human PPIH shares 100% amino acid (aa) sequence identity with mouse PPIH. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins |
| Characteristics: | Anti-PPIH Antibody Picoband® (ABIN7599038). Tested in WB, ICC/IF, ELISA 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: | PPIH |
| Alternative Name: | PPIH (PPIH Products) |
| Background: | <p>Synonyms: PPIH, CYP20, CYPH, Peptidyl-prolyl cis-trans isomerase H, PPlase H, EC 5.2.1.8, Rotamase H, Small nuclear ribonucleoprotein particle-specific cyclophilin H, Cy pH , U-snRNP-associated cyclophilin SnuCyp-20, USA-CYP</p> <p>Background: The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPlase) family. PPlases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein is a specific component of the complex that includes pre-mRNA processing factors PRPF3, PRPF4, and PRPF18, as well as U4/U5/U6 tri-snRNP. This protein has been shown to possess PPlase activity and may act as a protein chaperone that mediates the interactions between different proteins inside the spliceosome.</p> |
| Molecular Weight: | 19 kDa |
| Gene ID: | 10465 |
| UniProt: | O43447 |

Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Horowitz, D. S., Kobayashi, R., Krainer, A. R. A new cyclophilin and the human homologues of yeast Prp3 and Prp4 form a complex associated with U4/U6 snRNPs. RNA 3: 1374-1387, 1997.</p> <p>2. Reidt, U., Reuter, K., Achsel, T., Ingelfinger, D., Luhrmann, R., Ficner, R. Crystal structure of the human U4/U6 small nuclear ribonucleoprotein particle-specific SnuCyp-20, a nuclear cyclophilin. J. Biol. Chem. 275: 7439-7442, 2000.</p> <p>3. Teigelkamp, S., Achsel, T., Mundt, C., Gotherl, S.-F., Cronshagen, U., Lane, W. S., Marahiel, M., Luhrmann, R. The 20kD protein of human [U4/U6.U5] tri-snRNPs is a novel cyclophilin that forms a complex with the U4/U6-specific 60kD and 90kD proteins. RNA 4: 127-141, 1998.</p> |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
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Handling

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| 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. |