

Datasheet for ABIN7599831
anti-NAB1 antibody (AA 120-480)



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Overview

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| Quantity: | 100 µg |
| Target: | NAB1 |
| Binding Specificity: | AA 120-480 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NAB1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), ELISA |

Product Details

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| Purpose: | Anti-NAB1 Antibody Picoband® |
| Immunogen: | E.coli-derived human NAB1 recombinant protein (Position: A120-K480). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-NAB1 Antibody Picoband® (ABIN7599831). Tested in ELISA, IF, ICC, WB applications. This antibody reacts with Human, 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: | NAB1 |
| Alternative Name: | NAB1 (NAB1 Products) |
| Background: | <p>Synonyms: Ubiquitin carboxyl-terminal hydrolase 21, Deubiquitinating enzyme 21, Ubiquitin thioesterase 21, Ubiquitin-specific-processing protease 21, USP21, USP23, PP1490</p> <p>Tissue Specificity: Highly expressed in heart, pancreas and skeletal muscle. Also expressed in brain, placenta, liver and kidney, and at very low level in lung.</p> <p>Background: NGFI-A-binding protein 1 is a protein that in humans is encoded by the NAB1 gene. Predicted to enable transcription coregulator activity. Predicted to be involved in regulation of transcription, DNA-templated. Predicted to act upstream of or within endochondral ossification, nervous system development, and regulation of epidermis development. Predicted to be located in nucleoplasm. Predicted to be active in nucleus.</p> |
| Molecular Weight: | 56 kDa |
| Gene ID: | 4664 |
| UniProt: | Q13506 |

Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Buitrago, M., Lorenz, K., Maass, A. H., Oberdorf-Maass, S., Keller, U., Shmitteckert, E. M., Ivashchenko, Y., Lohse, M. J., Engelhardt, S. The transcriptional repressor Nab1 is a specific regulator of pathological cardiac hypertrophy. Nature Med. 11: 837-844, 2005. 2. Le, N., Nagarajan, R., Wang, J. Y. T., Svaren, J., LaPash, C., Araki, T., Schmidt, R. E., Milbrandt, J. Nab proteins are essential for peripheral nervous system myelination. Nature Neurosci. 8: 932-940, 2005. 3. Russo, M. W., Sevetson, B. R., Milbrandt, J. Identification of NAB1, a repressor of NGFI-A- and Krox20-mediated transcription. Proc. Nat. Acad. Sci. 92: 6873-6877, 1995.</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 |

Handling

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| 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. |