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Datasheet for ABIN1700369 **anti-NOB1 antibody (Biotin)**

Overview

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| Quantity: | 100 µL |
| Target: | NOB1 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NOB1 antibody is conjugated to Biotin |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human NOB1 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|--|
| Target: | NOB1 |
| Alternative Name: | NOB1 (NOB1 Products) |
| Background: | Synonyms: Adenocarcinoma antigen recognized by T lymphocytes 4, ART4, MST158, MSTP158, Nin one binding protein, NIN1/RPN12 binding protein 1 homolog S. cerevisiae, nob1, NOB1_HUMAN, NOB1P, Phosphorylation regulatory protein HP-10, Protein ART-4, Protein ART4, PSMD8 binding protein 1, PSMD8BP1, RNA binding protein NOB1, RNA-binding protein NOB1. |

Target Details

Background: NOB1P is a 412 amino acid nuclear protein that is involved in proteasome biogenesis and is required for the final step in 18S rRNA maturation. NOB1P contains a PIN domain, which functions as a nuclease in nonsense-mediated mRNA decay and is required for pre-rRNA cleavage. NOB1P interacts with Rent2, which is involved in nonsense-mediated decay of mRNAs containing premature stop codons. Expressed in placenta, spleen, endothelial cells, liver and lung, NOB1P is essential for the synthesis of 40S ribosome subunits. Suppression of the gene encoding NOB1P inhibits the processing of the 20S pre-rRNA to the mature 18S rRNA, therefore leading to accumulation of high levels of 20S pre-rRNA with degradation intermediates.

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| Gene ID: | 28987 |
| Pathways: | Protein targeting to Nucleus |

Application Details

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| Application Notes: | WB 1:300-5000 IHC-P 1:200-400 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |