Datasheet for ABIN7598956

# anti-ADAR antibody (AA 1-1152)

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## Overview

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| Quantity: | 100 µg |
| Target: | ADAR |
| Binding Specificity: | AA 1-1152 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ADAR antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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| Purpose: | Anti-ADAR1/ADAR Antibody Picoband® |
| Immunogen: | E.coli-derived human ADAR1/ADAR recombinant protein (Position: M1-E1152). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-ADAR1/ADAR Antibody Picoband® (ABIN7598956). 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

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| Target: | ADAR |
| Alternative Name: | ADAR (ADAR Products) |
| Background: | Synonyms: Tumor necrosis factor receptor superfamily member 9, 4-1BB ligand receptor, T-cell antigen 4-1BB, CD137, Tnfrsf9, Cd137, Ila, Ly63<br>Tissue Specificity: Expressed on the surface of activated T-cells.<br>Background: Double-stranded RNA-specific adenosine deaminase is an enzyme that in humans is encoded by the ADAR gene. This gene encodes the enzyme responsible for RNA editing by site-specific deamination of adenosines. This enzyme destabilizes double-stranded RNA through conversion of adenosine to inosine. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alternative splicing results in multiple transcript variants. |
| Molecular Weight: | 110 kDa |
| Gene ID: | 103 |
| UniProt: | P55265 |
| Pathways: | Protein targeting to Nucleus |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human<br>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat<br>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human<br>ELISA, 0.1-0.5 µg/mL, -<br>1. Agranat, L., Raitskin, O., Sperling, J., Sperling, R. The editing enzyme ADAR1 and the mRNA surveillance protein hUpf1 interact in the cell nucleus. Proc. Nat. Acad. Sci. 105: 5028-5033, 2008. 2. Bass, B. L., Weintraub, H. An unwinding activity that covalently modifies its double-stranded RNA substrate. Cell 55: 1089-1098, 1988. 3. Chao, S.-C., Huang, C.-Y., Yang, M.-H. A novel nonsense mutation of the DSRAD gene in a Taiwanese family with dyschromatosis symmetrica hereditaria. Europ. J. Derm. 16: 449-540, 2006. |
| 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. |

## Handling

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| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| 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.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |