Datasheet for ABIN3043044

# anti-E2F2 antibody (C-Term)

1 Image | 1 Publication

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | E2F2 |
| Binding Specificity: | AA 422-427, C-Term |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This E2F2 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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|---|---|
| Purpose: | Rabbit IgG polyclonal antibody for Transcription factor E2F2(E2F2) detection. Tested with WB in Human,Mouse,Rat. |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminus of human E2F2(422-427aa ISDLFDSYDLGDLLIN), identical to the related mouse sequence. |
| Sequence: | ISDLFDSYDL GDLLIN |
| Isotype: | IgG |
| Cross-Reactivity (Details): | Predicted Cross Reactivity: mouse<br>No cross reactivity with other proteins.<br>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities. |
| Characteristics: | Rabbit IgG polyclonal antibody for Transcription factor E2F2(E2F2) detection. Tested with WB |

## Product Details

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|---|---|
| | in Human,Mouse,Rat.<br>Gene Name: E2F transcription factor 2<br>Protein Name: Transcription factor E2F2(E2F-2) |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | E2F2 |
| Alternative Name: | E2F2 (E2F2 Products) |
| Background: | E2F2(E2F transcription factor 2) also called E2F-2, is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F2 gene is mapped to 1p36 by fluorescence in situ hybridization. Electrophoretic mobility shift assays revealed the specific binding of E2F2 to ECE1b promoter sequences containing either allele of the C-338A polymorphism, with the -338A allele being associated with an increased affinity to E2F2 compared with -338C. The ability of Myc to induce S phase was impaired in the absence of either E2f2 or E2f3 but not E2f1 or E2f4. In contrast, the ability of Myc to induce apoptosis was markedly reduced in cells deleted for E2f1 but not E2f2 or E2f3.<br><br>Synonyms: dE2F2 antibody\|E2F transcription factor 2 antibody\|E2F-2 antibody\|E2F2 antibody\|E2F2_HUMAN antibody\|Transcription factor E2F2 antibody |
| UniProt: | Q14209 |
| Pathways: | Cell Division Cycle, Mitotic G1-G1/S Phases, DNA Replication |

## Application Details

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| Application Notes: | WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse<br>Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.<br>Other applications have not been tested. Optimal dilutions should be determined by end users. |
| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide. |
| Preservative: | Thimerosal (Merthiolate), Sodium azide |
| Precaution of Use: | This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |
| Expiry Date: | 12 months |

## Publications

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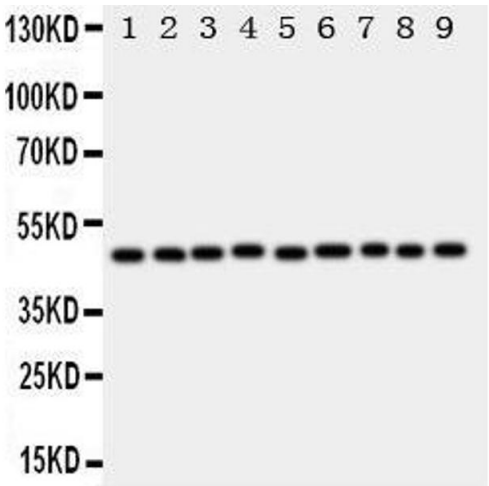
|---|---|
| Product cited in: | Liu, Mei, Xu, Yu, Shi, Zhang, Wang, Zhang, Gao, Zhang, He: "Dual Receptor Recognizing Cell Penetrating Peptide for Selective Targeting, Efficient Intratumoral Diffusion and Synthesized Anti-Glioma Therapy." in: **Theranostics**, Vol. 6, Issue 2, pp. 177-91, (2017) (PubMed). |

## Images




**Western Blotting**

**Image 1.**