

Datasheet for ABIN6242308
anti-EED antibody (N-Term)[Go to Product page](#)

1 Image

Overview

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| Quantity: | 400 µL |
| Target: | EED |
| Binding Specificity: | AA 40-74, N-Term |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EED antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | This mouse Eed antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 40-74 amino acids from the N-terminal region of mouse Eed. |
| Clone: | RB51500 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | B, C, H |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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| Target: | EED |
| Alternative Name: | Eed (EED Products) |

Target Details

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| Background: | Polycomb group (PcG) protein. Component of the PRC2/EED- EZH2 complex, which methylates 'Lys-9' and 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Also recognizes 'Lys-26' trimethylated histone H1 with the effect of inhibiting PRC2 complex methyltransferase activity on nucleosomal histone H3 'Lys-27', whereas H3 'Lys-27' recognition has the opposite effect, enabling the propagation of this repressive mark (By similarity). The PRC2/EED-EZH2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems (By similarity). Genes repressed by the PRC2/EED-EZH2 complex include HOXA7, HOXB6 and HOXC8. Plays a role in X chromosome inactivation (XCI), in which one of the two X chromosomes in female mammals is transcriptionally silenced to equalize X-linked gene dosage with XY males. Required for stable maintenance of XCI in both embryonic and extraembryonic tissues. May prevent transcriptional activation of facultative heterochromatin during differentiation. Required for development of secondary trophoblast giant cells during placental development. May regulate hippocampal synaptic plasticity in the developing brain. |
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| Molecular Weight: | 50198 |
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| UniProt: | Q921E6 |
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Application Details

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| Application Notes: | WB: 1:1000 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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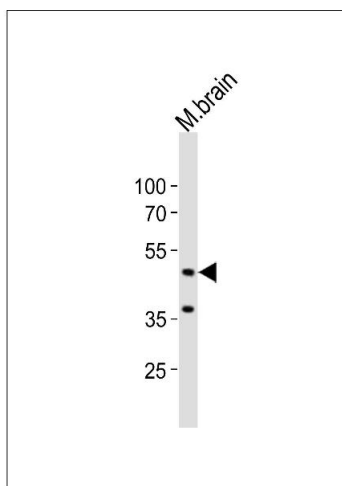
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| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Storage: | 4 °C,-20 °C |
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| Expiry Date: | 6 months |
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Western Blotting

Image 1. Western blot analysis of lysate from mouse brain tissue lysate, using Eed Antibody (N-term) (ABIN6242308 and ABIN6577873). (ABIN6242308 and ABIN6577873) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20 µg.