

Product datasheet for TA355788

Eed Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Mouse Rabbit Host:

Clonality: Polyclonal

Specificity: Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish

Homology: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse:

100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity Purified Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Shelf life: one year from despatch. Stability:

Predicted Protein Size: 50kDa

Gene Name: embryonic ectoderm development

Database Link: NP 068676

Entrez Gene 13626 Mouse

Q921E6



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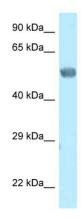


Background:

Eed is a polycomb group (PcG) protein. It is a 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. The PRC2/EED-EZH2 complex may also serve as a recruiting platform for DNA methyltransferases, thereby linking two epigenetic repression systems. Genes repressed by the PRC2/EED-EZH2 complex include HOXA7, HOXB6 and HOXC8. Eed 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. Eed is required for stable maintenance of XCI in both embryonic and extra-embryonic tissues. Eed may prevent transcriptional activation of facultative heterochromatin during differentiation. Eed is required for development of secondary trophoblast giant cells during placental development. Eed may regulate hippocampal synaptic plasticity in the developing brain.

Synonyms: HEED; WAIT-1; WAIT1

Product images:



WB Suggested Anti-Eed Antibody Titration: 1.0 ug/ml Positive Control: Mouse Brain