

## Product datasheet for **TA355788**

### Eed Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish <b>Homology:</b> 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. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	50kDa
Gene Name:	embryonic ectoderm development
Database Link:	<a href="#">NP_068676</a> <a href="#">Entrez Gene 13626 Mouse</a> <a href="#">Q921E6</a>



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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