

## Product datasheet for **TA330136**

### EN1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-EN1 antibody: synthetic peptide directed towards the C terminal of human EN1. Synthetic peptide located within the following region: LMGSANGGPVVKTDSSQQLVWPAWVYCTRYSDRPSSGPRTRKLLKKKNEK
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>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	engrailed homeobox 1
Database Link:	<a href="#">NP_001417</a> <a href="#">Entrez Gene 2019 Human Q05925</a>



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**Background:**

Homeobox-containing genes are thought to have a role in controlling development. In *Drosophila*, the 'engrailed' (en) gene plays an important role during development in segmentation, where it is required for the formation of posterior compartments. Different mutations in the mouse homologs, En1 and En2, produced different developmental defects that frequently are lethal. The human engrailed homologs 1 and 2 encode homeodomain-containing proteins and have been implicated in the control of pattern formation during development of the central nervous system. Homeobox-containing genes are thought to have a role in controlling development. In *Drosophila*, the 'engrailed' (en) gene plays an important role during development in segmentation, where it is required for the formation of posterior compartments. Different mutations in the mouse homologs, En1 and En2, produced different developmental defects that frequently are lethal. The human engrailed homologs 1 and 2 encode homeodomain-containing proteins and have been implicated in the control of pattern formation during development of the central nervous system. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Synonyms:**

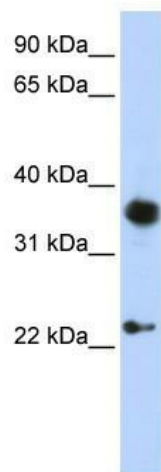
engrailed homeobox 1; engrailed homolog 1; OTTHUMP00000162091

**Note:**

Immunogen sequence homology: Guinea pig: 93%; Pig: 93%; African clawed frog: 92%; Rabbit: 86%

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS

**Product images:**

WB Suggested Anti-EN1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: HepG2 cell lysate