

**EN1 (Engrailed 1) Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP7278c****Specification**

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**EN1 (Engrailed 1) Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q05925](#)**EN1 (Engrailed 1) Antibody (Center) Blocking peptide - Additional Information****Gene ID** 2019**Other Names**

Homeobox protein engrailed-1, Homeobox protein en-1, Hu-En-1, EN1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7278c](/product/products/AP7278c) was selected from the Center region of human EN1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**EN1 (Engrailed 1) Antibody (Center) Blocking peptide - Protein Information****Name** EN1**Function**

Required for proper formation of the apical ectodermal ridge and correct dorsal-ventral patterning in the limb.

**Cellular Location**

Nucleus.

**EN1 (Engrailed 1) Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**EN1 (Engrailed 1) Antibody (Center) Blocking peptide - Images****EN1 (Engrailed 1) Antibody (Center) Blocking peptide - 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.

**EN1 (Engrailed 1) Antibody (Center) Blocking peptide - References**

Bachar-Dahan,L., Mol. Biol. Cell 17 (6), 2572-2580 (2006)Kohler,A., Genomics 15 (1), 233-235 (1993)