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# anti-EN1 antibody

2 Images



#### Overview

Quantity:	100 μL
Target:	EN1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This EN1 antibody is un-conjugated
Application:	Western Blotting (WB)

### **Product Details**

Purpose:	Engrailed 1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Engrailed 1
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	EN1
Alternative Name:	EN1 (EN1 Products)
Background:	Homeobox-containing genes are thought to have a role in controlling development. In

#### **Target Details**

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. [provided by RefSeq, Jul 2008],Cell Biology & Developmental Biology,Epigenetics & Nuclear Signaling,Neuroscience,Stem Cells,Transcription Factors,EN1

Molecular Weight: 55kDa

Gene ID: 2019

UniProt: Q05925

Pathways: Dopaminergic Neurogenesis

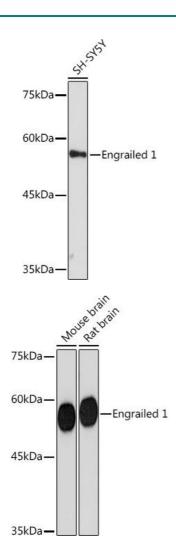
#### **Application Details**

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

#### Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### **Western Blotting**

**Image 1.** Western blot analysis of extracts of SH-SY5Y cells, using Engrailed 1 Rabbit mAb (ABIN7266949) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 μg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.

#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using Engrailed 1 Rabbit mAb (ABIN7266949) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 μg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.