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# EN2 Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP7457b**

## Specification

### EN2 Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB, IF,E** |
| Primary Accession | P19622 |
| Other Accession | P09066, Q05917, P52730, P52729, P09015 |
| Reactivity | **Human, Mouse** |
| Predicted | **Zebrafish, Xenopus, Chicken** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Antigen Region | **243-271** |

### EN2 Antibody (C-term) - Additional Information

**Gene ID** 2020

**Other Names**
Homeobox protein engrailed-2, Homeobox protein en-2, Hu-En-2, EN2

**Target/Specificity**
This EN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-271 amino acids from the C-terminal region of human EN2.

**Dilution**
WB~~1:1000
IF~~1:10~50
E~~Use at an assay dependent concentration.

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
EN2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### EN2 Antibody (C-term) - Protein Information

**Name** EN2

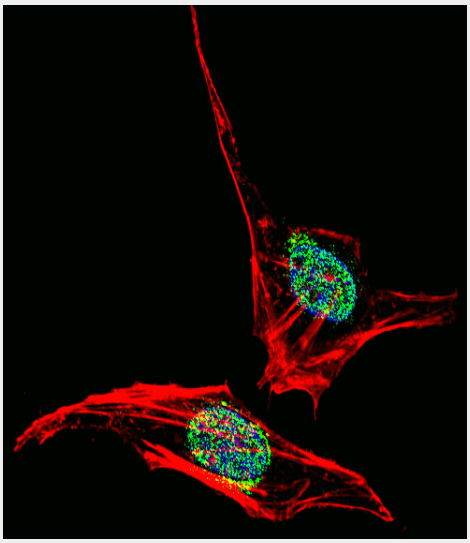
**Cellular Location**
Nucleus.

### EN2 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### EN2 Antibody (C-term) - Images



Fluorescent confocal image of Hela cell stained with EN2 Antibody (C-term)(Cat#AP7457b). Hela cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with EN2 primary antibody (1:25, 1 h at 37℃). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37℃).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37℃). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). EN2 immunoreactivity is localized to nucleus significantly and Cytoplasm weakly.

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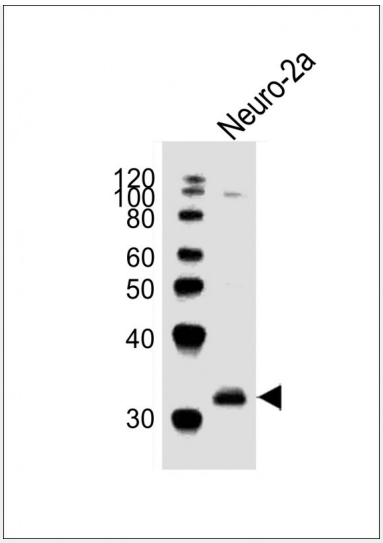
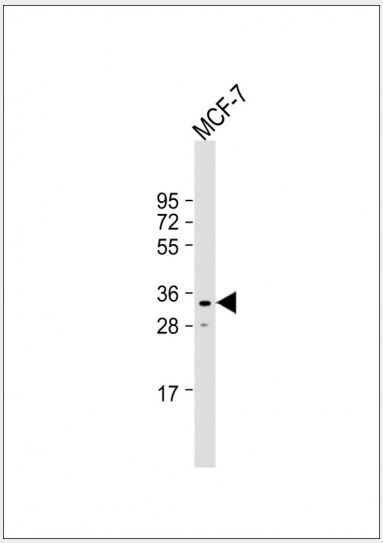



Anti-EN2Antibody(C-term)at 1:1000 dilution + Neuro-2a whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.




Anti-EN2 Antibody (C-term) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**EN2 Antibody (C-term) - Background**

EN2 is thought to have a role in controlling development. In Drosophila, the protein 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. This protein has been implicated in the control of pattern formation during development of the central nervous system.

**EN2 Antibody (C-term) - References**

Poole S.J., Law M.L.Genomics 4:225-231(1989)
Benayed R., Gharani N.Am. J. Hum. Genet. 77:851-868(2005)