

## Rabbit EN2 Polyclonal Antibody | anti-EN2 antibody

EN2 Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY                                                | APPLICATIONS                            |
|-----------|--------|-----------------------------------------------------------|-----------------------------------------|
| AAA283981 | Rabbit | Mouse (Predicted Reactivity: Zebrafish, Xenopus, Chicken) | Immunofluorescence, ELISA, Western Blot |

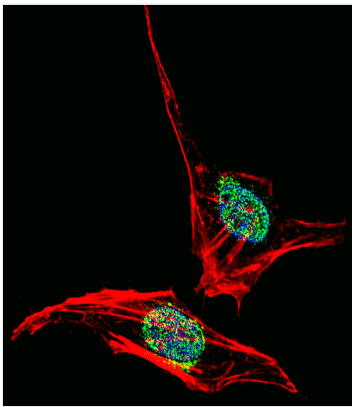
### PRODUCT SYNONYMS

EN2; Polyclonal Antibody; EN2 Antibody (C-term); Homeobox protein engrailed-2; Homeobox protein en-2; Hu-En-2; anti-EN2 antibody

### PRODUCT SPECIFICATIONS

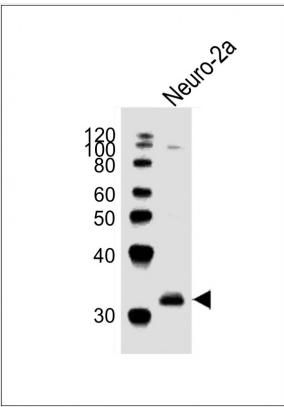
|                                               |                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                    |
| Reactivity                                    | Mouse (Predicted Reactivity: Zebrafish, Xenopus, Chicken)                                                                                                                                 |
| Clonality                                     | Polyclonal                                                                                                                                                                                |
| Isotype                                       | Rabbit Ig                                                                                                                                                                                 |
| 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.                        |
| Purity/Purification                           | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                   | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                 | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                            | 243-271                                                                                                                                                                                   |
| Sequence Length                               | 333                                                                                                                                                                                       |
| Applicable Applications for anti-EN2 antibody | IF (Immunofluorescence), ELISA, WB (Western Blot)                                                                                                                                         |
| Antigen Type                                  | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                       | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

IMAGES



IF (Immunofluorescence)

Fluorescent confocal image of HeLa cell stained with EN2 Antibody (C-term). 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 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). EN2 immunoreactivity is localized to nucleus significantly and Cytoplasm weakly.



WB (Western Blot)

Anti-EN2Antibody(C-term)at 1:1000 dilution + Neuro-2a whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 34 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EN2 antibody | 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. |
| Product Categories/Family for anti-EN2 antibody   | Neuroscience; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| References                                        | Poole S.J., Law M.L.Genomics 4:225-231(1989)<br>Benayed R., Gharani N.Am. J. Hum. Genet. 77:851-868(2005)                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 7710121                        |
| NCBI GeneID                      | 2020                           |
| NCBI Accession #                 | NP_001418.2                    |
| NCBI GenBank Nucleotide #        | NM_001427.3                    |
| UniProt Accession #              | P19622; Q549U3; Q9UD58; A4D252 |
| Molecular Weight                 | 34211                          |
| NCBI Official Full Name          | homeobox protein engrailed-2   |
| NCBI Official Synonym Full Names | engrailed homeobox 2           |
| NCBI Official Symbol             | EN2                            |
| NCBI Protein Information         | homeobox protein engrailed-2   |
| UniProt Protein Name             | Homeobox protein engrailed-2   |
| UniProt Gene Name                | EN2                            |
| UniProt Synonym Gene Names       | Homeobox protein en-2; Hu-En-2 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/en2-antibody-immunofluorescence-western-blot-elisa/283981>