10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EN2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7457b

Product Information

Application	IF, WB, E
Primary Accession	P19622
Other Accession	P09066, Q05917, P52730, P52729, P09015
Reactivity	Human, Mouse
Predicted	Zebrafish, Xenopus, Chicken, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18198
Calculated MW	34211
Antigen Region	243-271

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

Protein Information

Name	EN2
Cellular Location	Nucleus.

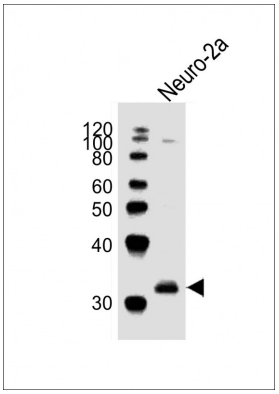
Background

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.

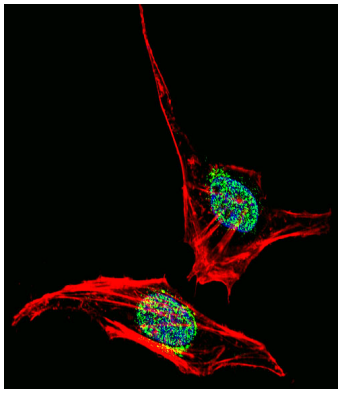
References

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

Images



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.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.