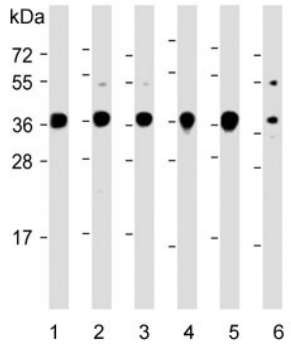
Engrailed 1 Antibody / EN1 (F54331)

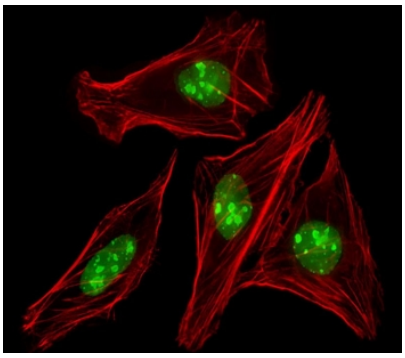
Catalog No.	Formulation	Size
F54331-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54331-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

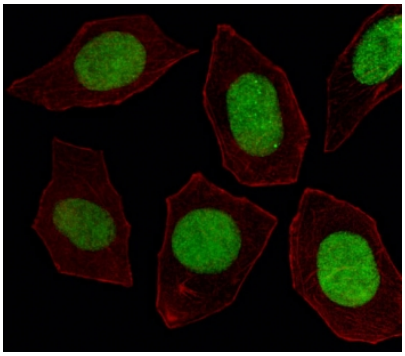
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q05925
Localization	Nuclear
Applications	Immunofluorescence : 1:25 Western blot : 1:500-1:2000
Limitations	This Engrailed 1 antibody is available for research use only.



Western blot testing of human 1) U-87 MG, 2) U-2 OS, 3) SH-SY5Y, 4) 293T, 5) HepG2 and 6) mouse brain lysate with Engrailed 1 antibody. Predicted molecular weight ~40 kDa.



Immunofluorescent staining of fixed and permeabilized human U-2 OS cells with Engrailed 1 antibody (green) and anti-Actin (red).



Immunofluorescent staining of fixed and permeabilized human U-251 cells with Engrailed 1 antibody (green) and anti-Actin (red).

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Engrailed 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for the Engrailed 1 antibody.

Storage

Aliquot the Engrailed 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering:Phone:858.663.9055 | Fax:1.267.821.0800 | Email:info@nsjbio.com