



Catalog: OM215203

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Nestin Antibody (S1409)

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☐ 100ug

Product profile

Product name	Nestin Antibody (S1409)
Antibody Type	Primary Antibodies

Key Feature

Clonality	Polyclonal
Isotype	Ig
Host Species	Rabbit
Tested Applications	IF ,WB ,IHC ,FC
Species Reactivity	Human
Concentration	1 mg/ml
Purification	

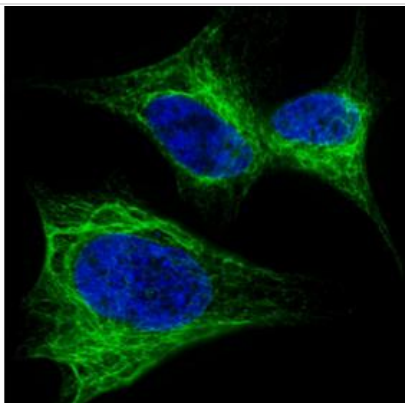
Target Information

Alternative Names	NES; Nestin
Molecular Weight(MW)	177439 Da
Function	Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen-stimulated proliferation of neural progenitor cells (By similarity)
Tissue Specificity	CNS stem cells.

Database Links

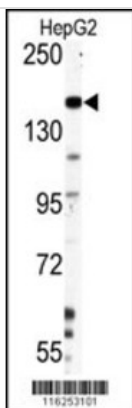
Entrez Gene	10763
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Application



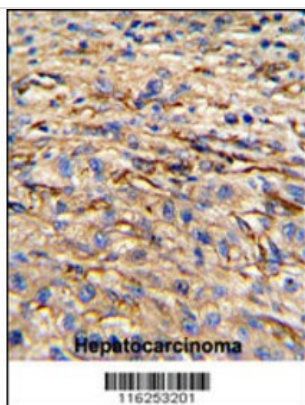
Application

Fluorescent confocal image of SY5Y cells stained with Nestin (S1409) antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AP2020d Nestin (S1409) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 µg/ml, 5 min). Note the highly specific localization of the Nestin (S1409) immunosignal to the intermediate filaments, supported by Human Protein Atlas Data (<http://www.proteinatlas.org/ENSG00000132688>).



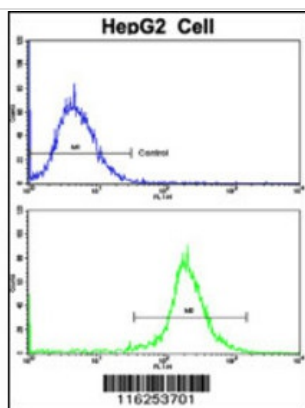
Application

Western blot analysis of Nestin Antibody (S1409) in HepG2 cell line lysates (35ug/lane). NES (arrow) was detected using the purified Pab.



Application

Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with Nestin Antibody (S1409), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Application

Flow cytometric analysis of HepG2 cells using Nestin Antibody (S1409)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Application Notes

IF~~1:200 WB~~1:100~500 IHC~~1:50~100 FC~~1:10~50:

Additional Information

Form

Liquid

Storage Instructions

For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid

Storage Buffer

multiple freeze-thaw cycles.

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.

Note

The product is for research use only, not for use in diagnostic or therapeutic procedures.

OmnimAbs.com

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

