



Catalog: OM215199

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Nestin Antibody

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☐ 100ug

Product profile

Product name	Nestin Antibody
Antibody Type	Primary Antibodies

Key Feature

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

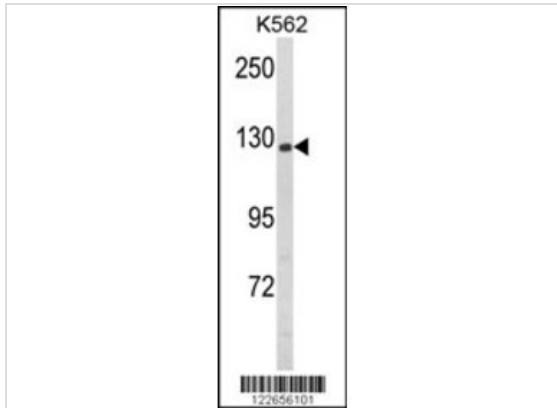
Target Information

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

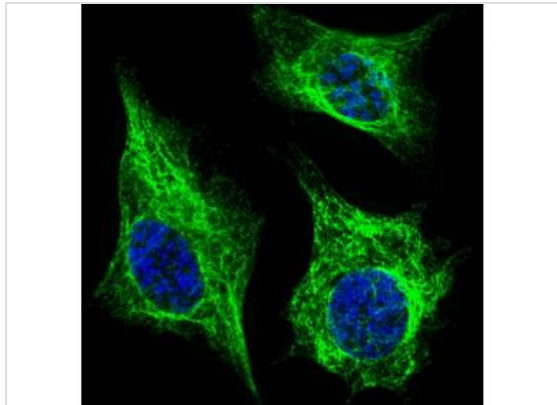
Entrez Gene	10763
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Application



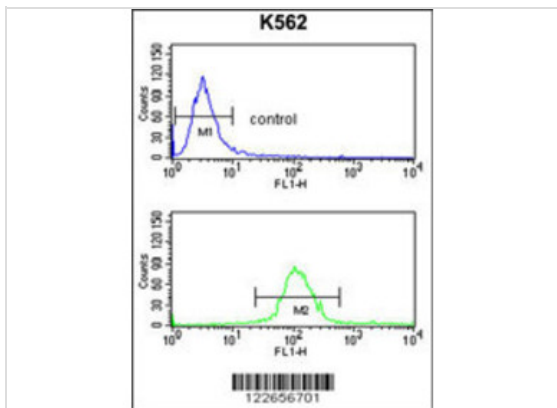
Application

Western blot analysis of Nestin Antibody in K562 cell line lysates (35ug/lane). NEST (arrow) was detected using the purified Pab.



Application

Fluorescent confocal image of SY5Y cells stained with AP8742a Nestin antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min), then incubated with AP8742a Nestin 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, 3 min). Nestin immunoreactivity is localized mainly at the cytoskeleton of the SY5Y cells.



Application

NEST Antibody flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Application Notes

WB~~1:100~500 IF~~1:200 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 multiple freeze-thaw cycles.

Storage Buffer

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.

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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

