

Nestin, Rabbit pAb

CATALOG #:	3166-100
AMOUNT:	100 µg
LOT #:	_____
HOST (ISOTYPE):	Rabbit (Ig)
IMMUNOGEN:	KLH conjugated synthetic peptide selected from the N-terminal region of human Nestin.
SPECIES REACTIVITY:	Human

FORMULATION:

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

STORAGE CONDITIONS:

Maintain refrigerated at 2-8°C for up to 6 months or -20°C for long term storage.

BACKGROUND DESCRIPTION:

Nestin is a class VI intermediate filament protein expressed predominantly in stem cells of the neural tube but absent from virtually all differentiated CNS cells. In the CNS, Nestin is downregulated upon differentiation and replaced by neurofilaments. Transient expression of nestin has been postulated as a key step committing cells to the neural differentiation pathway. Nestin expression has also been observed in pancreatic hematopoietic stem cell populations.

BACKGROUND REFERENCES:

1. Yaworsky, P.J., et al., Dev. Biol. 205(2):309-321 (1999).
2. Dahlstrand, J., et al., J. Cell. Sci. 103 (Pt 2), 589-597 (1992).

OTHER NAMES:

NES.

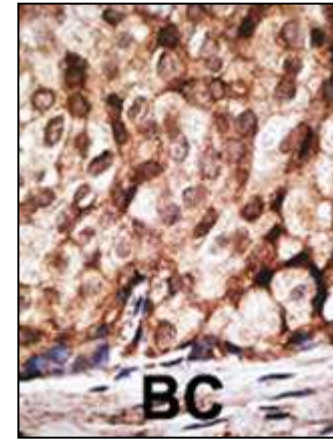
SPECIFICITY:

The antibody detects a ~ 177 kDa band, corresponding to the expected molecular mass of Nestin on immunoblots.

APPLICATION (suggested concentration):

The antibody can be used for ELISA (0.25 µg/ml), Immunohistochemistry (2.5 – 5 µg/ml).

FOR RESEARCH USE ONLY! Not to be used on humans.

APPLICATION DATA (Calculated MW = 176704 Da):

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody (Cat#3166-100), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. BC = breast carcinoma.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System