



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Nestin - Nordic MUBio

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[nordicmubio.com/product/nestin](http://nordicmubio.com/product/nestin)

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### Nestin

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Catalogue number: **NES001**

Clone	10C2
Isotype	IgG1
Product Type	Primary Antibodies
Units	1 ml
Host	Mouse
Application	Immunohistochemistry Immunoprecipitation Western Blotting

### Background

Nestin is a big intermediate filament protein that was originally described by Hockfield and Kay (1) as a protein that predominantly exists in stem cells of the nervous system. During differentiation of the nervous system the expression of nestin is reduced. Nestin is also observed in other embryonic tissues (myoepithelia, lung, adrenal glands) and in different tumors like glioblastoma and melanoma. The strength of expression in melanoma cell lines can be extremely variable. Human Nestin (200-220 kDa in WB).

### Source

*Immunogen:* Recombinant 150 aa peptide of the C-terminal human Nestin protein, conjugated to GST

### Product

Purified IgG1 in PBS pH 7.3 with 0.09% sodium azide and 0.5% BSA

*Purification Method:* Purified IgG1 in PBS pH 7.3 with 0.1% sodium azide, BSA and gelatine

*Concentration:* 100 µg/ml

*Secondary Reagents:* Anti-mouse IgG:Biotin conjugate (code no. ZU102) in combination with Streptavidin-HRPO (code no. ZU054) and a suitable substrate e.g. DAB (Ref. DA002) or AEC (Ref AE002).

## **Specificity**

*Species Reactivity:* Human, no cross-reaction with mouse and rat

## **Applications**

WB 1:100-1:1000, IHC 1:50-1:200, IP 1:50-1:100 (for 100 µg/ml cell lysate)

*Working Concentration:* (liquid conc.) WB 1:100-1:1000, IHC 1:50-1:200, IP 1:50-1:100 (for 100 µg/ml cell lysate)

*Pre-Treatment:* Formalin-fixed tissue requires heat-induced antigen retrieval. We recommend the use of citrate buffer pH 6 (Art. No. DE000) 10-20 min at 100°C, thereafter cooling for 20 min until RT is reached.

*Positive Control:* Brain, (SK-N-SH or SH-SY5Y cells for Western Blot)

## **Storage**

2-8°C

## **Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.

## **References**

1. Hockfield, S. and McKay, R.D. (1985) Identification of major cell classes in the developing mammalian nervous system. *J Neurosci.* 5: 3310-3328. 2. V.A. Förenes R. Holm, O. Myklebost, U. Lendahl, and Öystein Fodstad (1994) Expression of the Neuroectodermal Intermediate Filament Nestin in Human Melanomas <http://cancerres.aacrjournals.org/content/54/2/354.full.pdf> 3. Brychtova S, Fiuraskova M, Hlobilková A, Brychta T, Hirnak J. Nestin expression in cutaneous melanomas and melanocytic nevi. *J Cutan Pathol.* 2007 May;34(5):370-5. Anna Flammiger (2009) Expression von Nestin und Osteopontin in Melanomzelllinien und die Rolle der Transkriptionsfaktoren BRN2, SOX9 und SOX10 Dissertation Medizinischen Fakultät der Universität München (S. 1-95)

## **Protein Reference(s)**

*Database Name:* UniProt

*Accession number:* P48681 (NEST\_HUMAN)

*Species Accession:* Human

**Safety Datasheet(s) for this product:**

NM\_Sodium Azide

[/wp-content/uploads/SDS/Antibody SDS with Sodium Azide Noridic-MUbio.pdf](#)