

Datasheet for ABIN6242479  
**anti-Nestin antibody (C-Term)**



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## Overview

Quantity:	400 µL
Target:	Nestin (NES)
Binding Specificity:	AA 1560-1590, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nestin antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This Nestin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1560~1590 amino acids from the C-terminal region of human nestin.
Clone:	RB2857
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	Nestin (NES)
Alternative Name:	Nestin ( <a href="#">NES Products</a> )

## Target Details

**Background:** 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.

**Molecular Weight:** 177439

**NCBI Accession:** [NP\\_006608](#)

**UniProt:** [P48681](#)

## Application Details

**Application Notes:** IF: 1:10~50. IHC-P: 1:50~100

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C, -20 °C

**Expiry Date:** 6 months

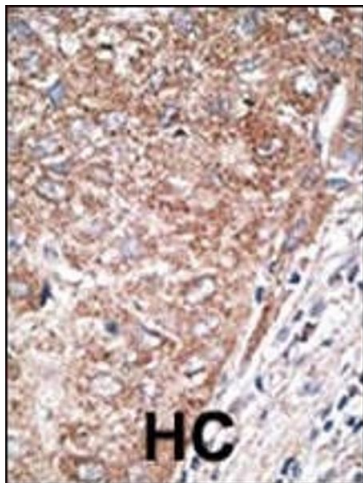
## Publications

**Product cited in:** Chen, Ou, Song, Xian, Ouyang, Xie, Xue, Sun: "Generation of integration-free induced pluripotent stem cells (GZHMUi001-A) by reprogramming peripheral blood mononuclear cells from a 47, XXX syndrome patient." in: **Stem cell research**, Vol. 23, pp. 57-60, (2018) ([PubMed](#)).

May, Sureban, Lightfoot, Hoskins, Brackett, Postier, Ramanujam, Rao, Wyche, Anant, Houchen: "Identification of a novel putative pancreatic stem/progenitor cell marker DCAMKL-1 in normal mouse pancreas." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 299, Issue 2, pp. G303-10, (2010) ([PubMed](#)).

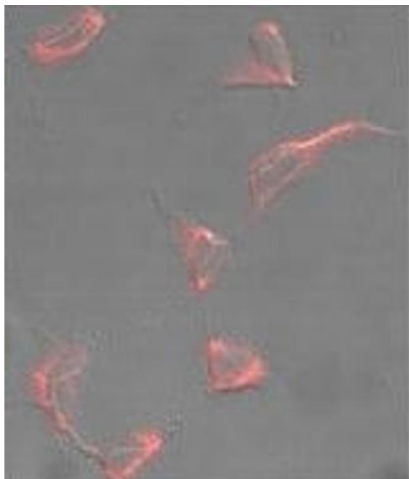
## Images

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma, HC = hepatocarcinoma.



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of anti-Nestin Antibody (C-term) (ABIN6242479 and ABIN6577388) in HeLa cells. 0.025 mg/mL primary antibody was followed by Alexa-Fluor-546-conjugated donkey anti-rabbit IgG (H+L). Alexa-Fluor-546 emits orange fluorescence.