Datasheet for ABIN2452056

anti-Nestin antibody

6 Images | 2 Publications

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Overview

Quantity:	200 µg
Target:	Nestin (NES)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Nestin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Mouse E16 embryonic cerebral cortex extracts
Clone:	7A3
Isotype:	IgG2b kappa
Specificity:	Specific to mouse Nestin.
Cross-Reactivity (Details):	Not tested in other species.
Characteristics:	The antibody was produced from the hybridoma cultured in serum-free medium and purified under mild conditions by propriety chromatography processes.
Purification:	Purified
Sterility:	Sterile filtered

Target Details

Target:	Nestin (NES)
Alternative Name:	Nestin (NES Products)
Background:	Nestin is an intermediate filament protein that is expressed in stem cells and progenitor cells in the mammalian central nervous system (CNS) during development. Nestin is replaced in the adult organism by other intermediate filament proteins, however, it may be re-expressed under certain pathological conditions such as ischemia, inflammation, brain injury, and neoplastic transformation. Nestin has been detected in many kinds of tumors, especially in tumors derived from the CNS, therefore it is considered to be a marker for cancer stem cells in neurogenic tumors.
UniProt:	Q6P5H2

Application Details

Application Notes:	1. Immunocytochemistry 2. Immunohistochemistry This antibody doesn't work in immunoblotting. Other applications are not tested. This antibody is very useful for immunostaining of mouse embryonic brain because it is rat antibody. Rat antibody has very low background in immunostaining using mouse tissues and is also useful for double-staining with mouse and rabbit antibodies.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol
Preservative:	Azide free
Storage:	-20 °C

Publications

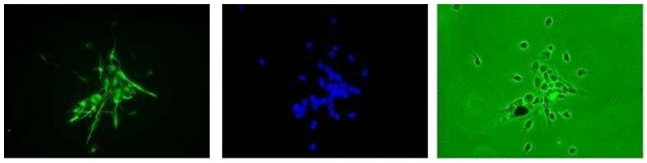
Product cited in:	Schaeffer, Hansen, Morris, LeBoeuf, Abrass: "RNA-binding protein IGF2BP2/IMP2 is required for laminin-?2 mRNA translation and is modulated by glucose concentration." in: **American journal**

of physiology. Renal physiology, Vol. 303, Issue 1, pp. F75-82, (2012) (PubMed).

Images

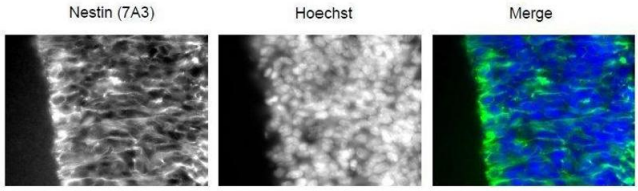
Immunofluorescence

Image 1.



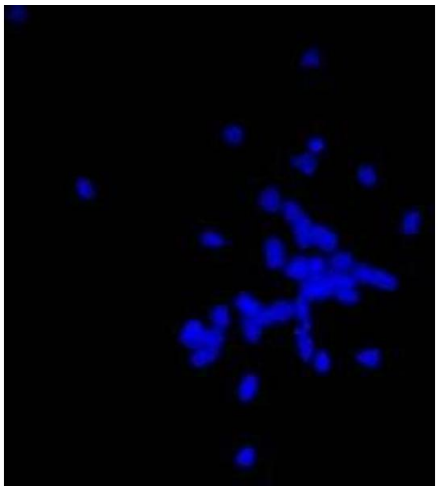
Immunofluorescence

Image 2.



Immunofluorescence

Image 3.



Please check the product details page for more images. Overall 6 images are available for ABIN2452056.