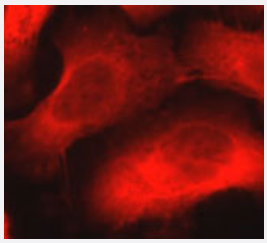
NES monoclonal antibody, clone 10C2

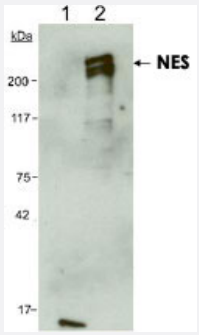
Catalog # MAB2332 Size 100 uL

Applications



Immunofluorescence

Visualization of NES in PC-3 cells using NES monoclonal antibody, clone 10C2 (Cat # MAB2332). Courtesy of Dolnick Lab, Roswell Park Cancer Institute.



Western Blot

Detection of human NES using NES monoclonal antibody, clone 10C2 (Cat # MAB2332). Lane 1 : 5 ug total rat brain protein. Lane 2 : 5 ug human CNS progenitor cell protein.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant NES.
Immunogen	Recombinant protein corresponding to amino acids 1464-1614 of human NES.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to human nestin.
Form	Liquid
Isotype	IgG1, kappa

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Recommend Usage	Flow Cytometry (1:50) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.09% sodium azide
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Immunofluorescence

  Visualization of NES in PC-3 cells using NES monoclonal antibody, clone 10C2 (Cat # MAB2332). Courtesy of Dolnick Lab, Roswell Park Cancer Institute.
- Immunocytochemistry
- Flow Cytometry
- Western Blot

  Detection of human NES using NES monoclonal antibody, clone 10C2 (Cat # MAB2332). Lane 1 : 5 ug total rat brain protein. Lane 2 : 5 ug human CNS progenitor cell protein.

Gene Info — NES

Entrez GeneID	10763
Protein Accession#	P48681
Gene Name	NES
Gene Alias	FLJ21841, Nbla00170
Gene Description	nestin

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Omim ID	600915
Gene Ontology	Hyperlink
Gene Summary	Nestin is an intermediate filament protein that was first identified with a monoclonal antibody by H ockfield and McKay (1985) [PubMed 4078630]. It is expressed predominantly in stem cells of the central nervous system in the neural tube. Upon terminal neural differentiation, nestin is downregul ated and replaced by neurofilaments.[supplied by OMIM
Other Designations	OTTHUMP00000032198

Publication Reference

- SOX2 silencing in glioblastoma tumor-initiating cells causes stop of proliferation and loss of tumorigenicity.

  Gangemi RM, Griffero F, Marubbi D, Perera M, Capra MC, Malatesta P, Ravetti GL, Zona GL, Daga A, Corte G.

  Stem Cells 2009 Jan; 27(1):40.

- Coexpression of nestin in neural and glial cells in the developing human CNS defined by a human-specific anti-nestin antibody.

  Messam CA, Hou J, Major EO.

  Experimental Neurology 2000 Feb; 161(2):585.

Disease

- Atherosclerosis
- Coronary Disease

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