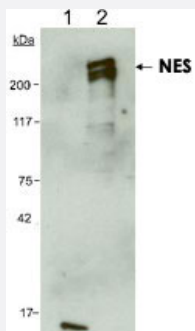


NES monoclonal antibody, clone 10C2

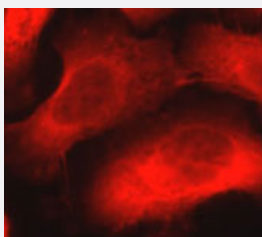
Catalog # MAB2332 Size 100 uL

Applications



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.



Immunofluorescence

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

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

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 should be handled by trained staff only.

Applications

- 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.

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

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunofluorescence

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

- Flow Cytometry

Gene Info — NES

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

Omim ID	600915
Gene Ontology	Hyperlink
Gene Summary	Nestin is an intermediate filament protein that was first identified with a monoclonal antibody by Hockfield 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 downregulated 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](#)