Nestin Monoclonal Antibody (10C2)

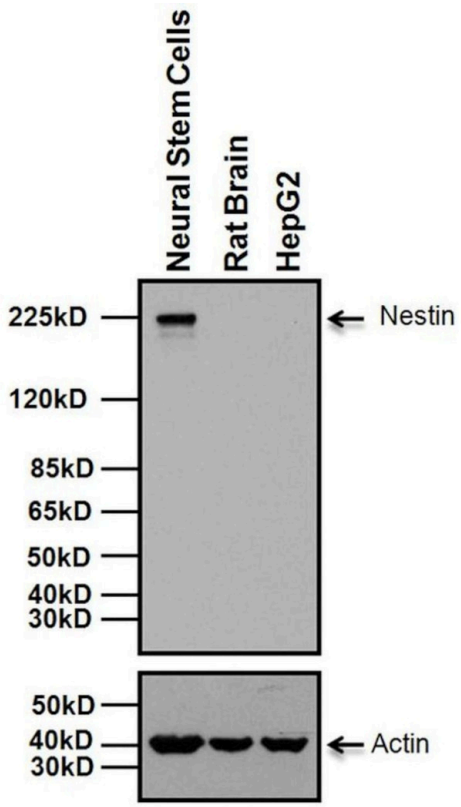
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	C. elegans, Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	10C2
Conjugate	Unconjugated
Immunogen	Human nestin protein corresponding to residues 1464-1614
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2536821

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:4,000	6 Publications
Immunohistochemistry (IHC)	-	11 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20-1:100	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	0 Publication
Immunocytochemistry (ICC/IF)	1:100	22 Publications
Flow Cytometry (Flow)	1 µg/test	1 Publication

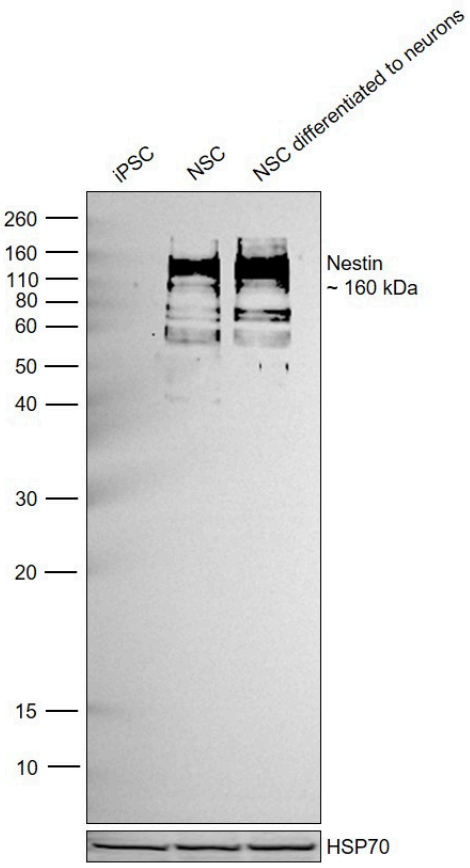
Product Specific Information

MA1-110 has been successfully utilized in Western Blot, immunocytochemistry, flow cytometry, and immunofluorescence applications in human samples. MA1-110 also acts a neuronal stem cell marker and detects a band in Western blot at ~250 kDa.

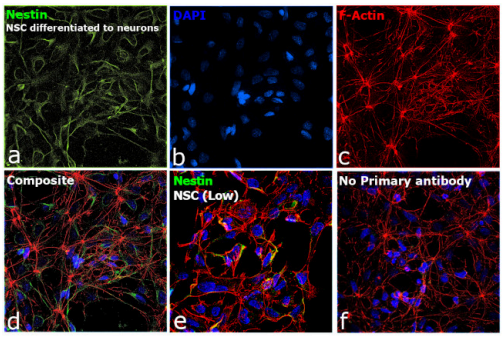
Product Images For Nestin Monoclonal Antibody (10C2)



Nestin Antibody (MA1-110)
The specificity of anti-Nestin monoclonal antibody (Product # MA1-110) was demonstrated in western blot analysis by the detection of endogenous Nestin protein expression in human neural stem cells, but not in negative control line HepG2 which is not known to express Nestin protein. {RE}



Nestin Antibody (MA1-110)
Antibody specificity was demonstrated by detection of differential basal expression of the target across iPSC, NSC and NSC differentiated to neurons owing to their inherent genetic constitution. Relative expression of Nestin was observed in NSC, iPSC and NSC differentiated to neurons using Anti-Nestin Monoclonal Antibody (10C2) (Product # MA1-110) in Western Blot. {RE}



Nestin Antibody (MA1-110)
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis of Anti-Nestin Monoclonal Antibody (10C2) (Product # MA1-110) was observed in NSC differentiated to neurons in comparison to NSC. {RE}

View more figures on thermofisher.cn

42 References

Western Blot (6)

Molecular therapy oncolytics

oHSV-P10 reduces glioma stem cell enrichment after oncolytic HSV therapy.

"Published figure using Nestin monoclonal antibody (Product # MA1-110) in Western Blot"

Authors: Sahu U,Mullarkey MP,Pei G,Zhao Z,Hong B,Kaur B

Year
2023

International journal of molecular sciences

Regulatory Mechanism between Ferritin and Mitochondrial Reactive Oxygen Species in Spinal Ligament-Derived Cells from Ossification of Posterior Longitudinal Ligament Patient.

"MA1-110 was used in Flow Cytometry, Immunocytochemistry, Immunohistochemistry (Frozen), Immunohistochemistry (Paraffin), Western Blot to propose that enhancing ferritin levels might alleviate osteogenesis in OPLL."

Authors: Kim JT,Kim Y,Kim JY,Lee S,Kim M,Jekarl DW

Year
2023

Species
Human

View more WB references on thermofisher.cn

Immunohistochemistry (11)

Molecular neurobiology

Deletion of TRPC6, an Autism Risk Gene, Induces Hyperexcitability in Cortical Neurons Derived from Human Pluripotent Stem Cells.

"MA1-110 was used in Immunohistochemistry-immunofluorescence to provide evidence that reduction of SOCE by TRPC6 KO results in neuronal hyperexcitability, which we hypothesize is an important contributor to the cellular pathophysiology underlying hyperactivity in some ASD."

Authors: Shin KC,Ali G,Ali Moussa HY,Gupta V,de la Fuente A,Kim HG,Stanton LW,Park Y

Year
2023

Species
Human

Dilution
1:500

CNS neuroscience & therapeutics

Exosomal miR-128-3p reversed fibrinogen-mediated inhibition of oligodendrocyte progenitor cell differentiation and remyelination after cerebral ischemia.

"MA1-110 was used in Immunohistochemistry-immunofluorescence to investigate the role of exosomal miR-128-3p in promoting fibrinogen-mediated inhibition of oligodendrocyte progenitor cell (OPC) differentiation and the therapeutic potential of exosomal miR-128-3p in cerebral ischemia."

Authors: Hou H,Wang Y,Yang L,Wang Y

Year
2023

Species
Mouse

Dilution
1:100

View more IHC references on thermofisher.cn

More applications with references on thermofisher.cn

IHC (P) (2) **ICC/IF (22)** **Flow (1)**