Mouse Nestin Monoclonal Antibody | anti-NES antibody

Mouse Anti-Nestin monoclonal Antibody

CATALOG #	HOST	APPLICATIONS
AAA18857	**Mouse**	**ELISA, Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Nestin; Monoclonal Antibody; Mouse Anti-Nestin monoclonal Antibody; Nbla00170; anti-NES antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	Specific for Human Nestin denatured and native forms
Purity/Purification	>95%, Protein G Purified
Sequence Length	1621
Applicable Applications for anti-NES antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant nestin Protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-23927 / sc-71665 / sc-73489
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



Application Data
Overlay histogram showing Hela cells stained with AAA18857 (red line). The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (10ug/1x10^6cells) for 1 h at 4 degree C. The secondary antibody used was FITC goat anti-mouse IgG (H+L) at 1/200 dilution for 1 h at 4 degree C. Isotype control antibody (green line) was mouse IgG1 (10ug/1x10^6cells) used under the same conditions. Acquisition of >10,000 events was performed.



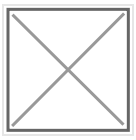
Application Data
Overlay histogram showing U251 cells stained with AAA18857 (red line). The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (10ug/1x10^6cells) for 1 h at 4 degree C. The secondary antibody used was FITC goat anti-mouse IgG (H+L) at 1/200 dilution for 1 h at 4 degree C. Isotype control antibody (green line) was mouse IgG1 (10ug/1x10^6cells) used under the same conditions. Acquisition of >10,000 events was performed.



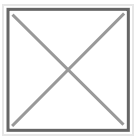
IF (Immunofluorescence)
Immunofluorescent analysis of U251 cells using AAA18857 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L



IF (Immunofluorescence)
Immunofluorescent analysis of PC-3 cells using AAA18857 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L



IF (Immunofluorescence)
Immunofluorescent analysis of Hela cells using AAA18857 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human melanoma using AAA18857 at dilution of 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-NES antibody	Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen-stimulated proliferation of neural progenitor cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38176300
NCBI GeneID	10763
NCBI Accession #	NP_006608.1
NCBI GenBank Nucleotide #	NM_006617.1
UniProt Accession #	P48681; O00552; Q3LIF5; Q5SYZ6
Molecular Weight	177,439 Da
NCBI Official Full Name	nestin
NCBI Official Synonym Full Names	nestin
NCBI Official Symbol	NES
NCBI Official Synonym Symbols	Nbla00170
NCBI Protein Information	nestin
UniProt Protein Name	Nestin
UniProt Gene Name	**NES**
UniProt Entry Name	NEST_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/nestin-antibody-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/18857