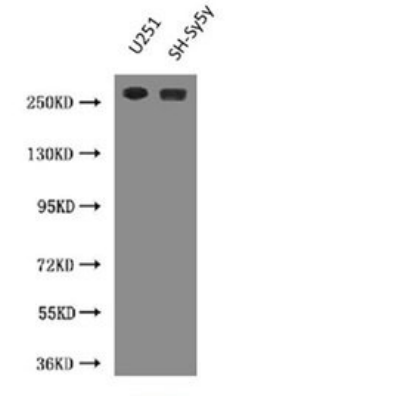
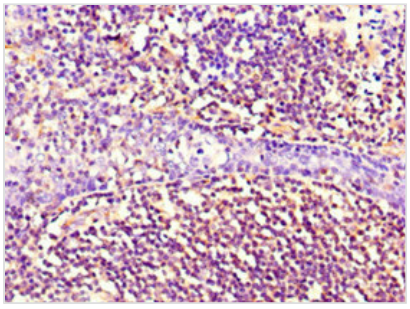
NES Monoclonal Antibody

Product Code	CSB-MA0157131A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P48681
Immunogen	Recombinant Human Nestin protein
Raised In	Mouse
Species Reactivity	Human
Specificity	Specific for Human Nestin denatured and native forms
Tested Applications	ELISA, WB, IHC, IF, FC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:500, IF:1:50-1:200
Relevance	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.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG1
Clonality	Monoclonal
Alias	Nestin, NES, Nbla00170
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)
Clone No.	2C2F7

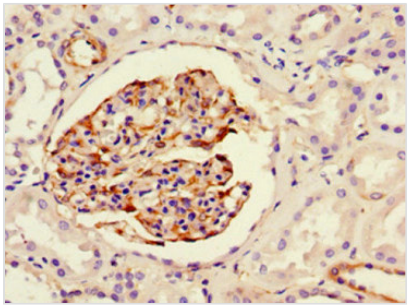
Image



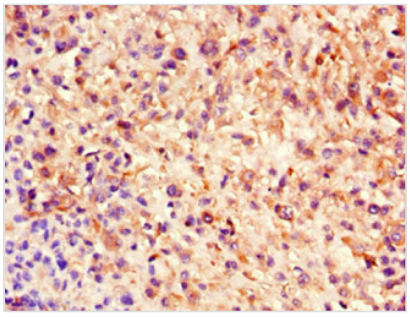
Western Blot
Positive WB detected in: U251 whole cell lysate, SH-SY5Y whole cell lysate
All lanes: NES antibody at 3µg/ml
Secondary
Goat polyclonal to Mouse IgG at 1/10000 dilution
Predicted band size: 178 kDa
Observed band size: 260 kDa



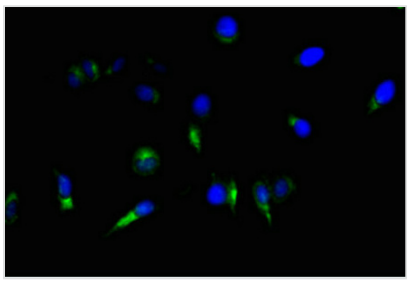
Immunohistochemistry of paraffin-embedded human tonsil tissue using CSB-MA0157131A0m at dilution of 1:100



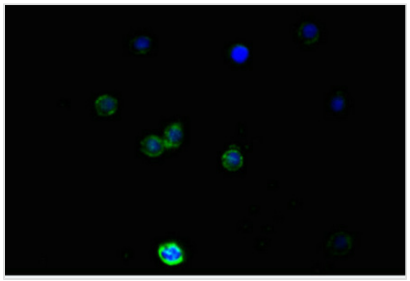
Immunohistochemistry of paraffin-embedded human kidney tissue using CSB-MA0157131A0m at dilution of 1:100



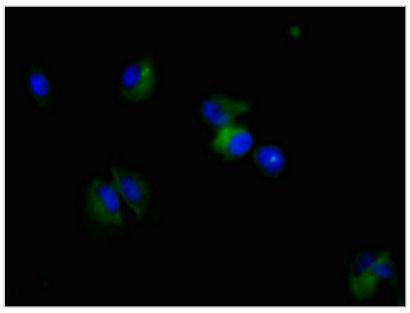
Immunohistochemistry of paraffin-embedded human melanoma using CSB-MA0157131A0m at dilution of 1:100



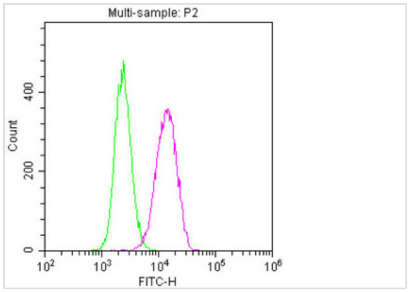
Immunofluorescent analysis of Hela cells using CSB-MA0157131A0m at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



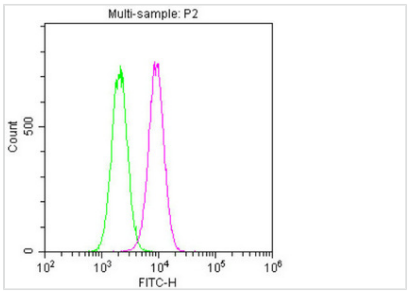
Immunofluorescent analysis of PC-3 cells using CSB-MA0157131A0m at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of U251 cells using CSB-MA0157131A0m at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Mouse IgG(H+L).



Overlay histogram showing U251 cells stained with CSB-MA0157131A0m (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 (10µg/1*10^6cells) for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line) was mouse IgG1 (10µg/1*10^6cells) used under the same conditions. Acquisition of >10,000 events was performed.



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