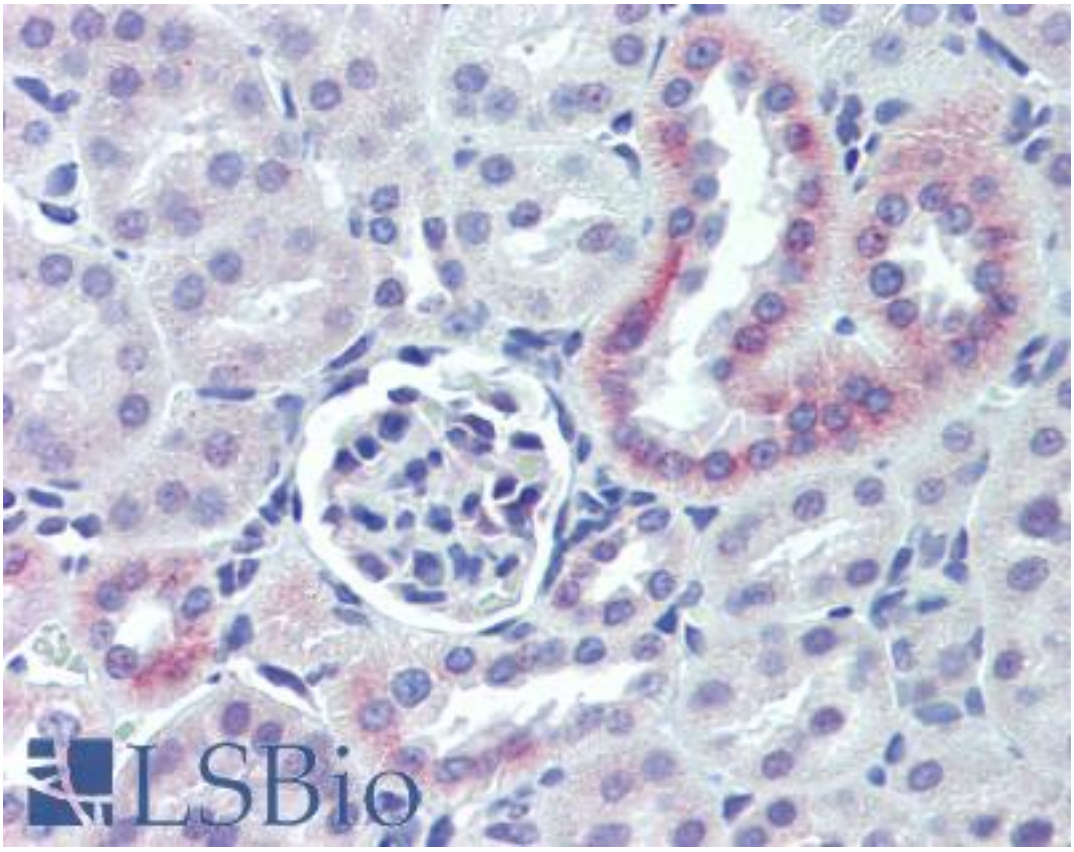
LSBio
LifeSpan BioSciences, Inc.

Nestin Rabbit anti-Human Polyclonal (aa1484-1500) Antibody - LS-B656 - LSBio

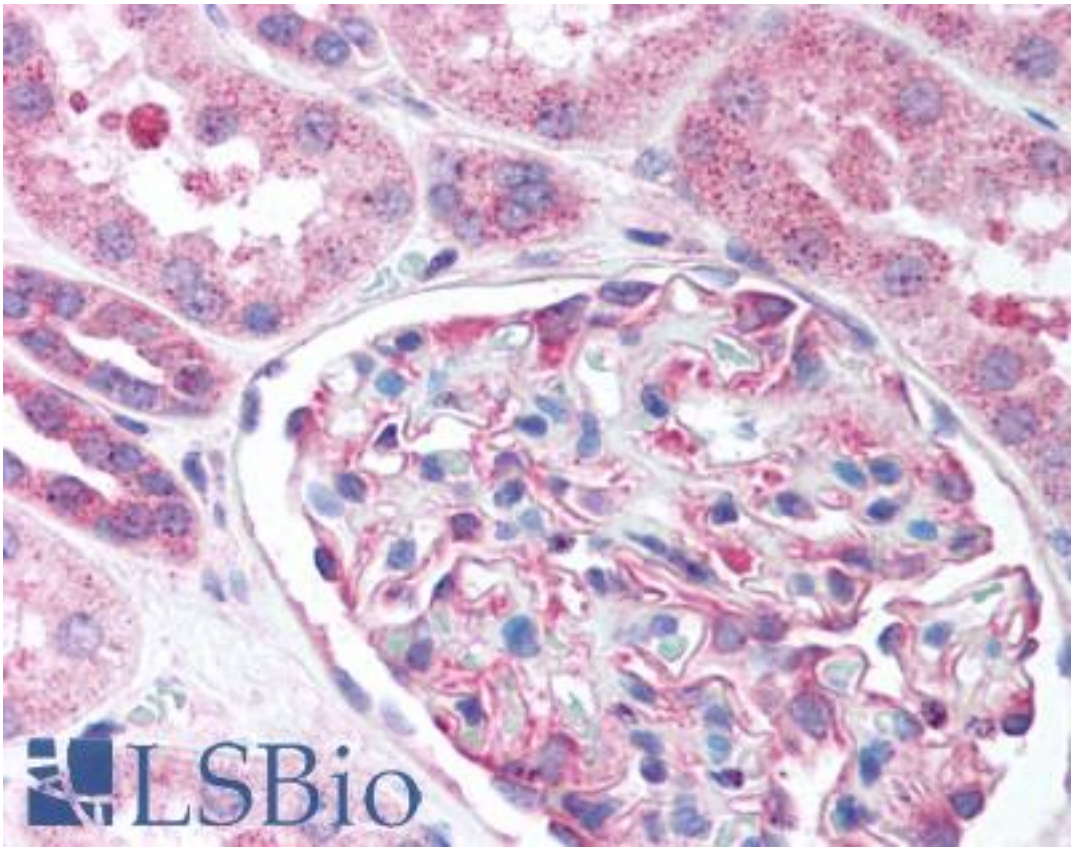
CatalogID:	LS-B656
Validation:	This antibody replaces catalog number LS-C19013. It has been validated for use in the following assays: IHC.
Target:	nestin
Synonyms:	NES Antibody, Nestin Antibody, Nbla00170 Antibody
Host	NES antibody was produced in Rabbit
Clonality:	Polyclonal
Immunogen Species:	Nestin antibody was raised against Human
Immunogen:	Nestin antibody was raised against recombinant human NES / Nestin.
Specificity:	Amino acids 1484-1500 of human Nestin protein.
Epitope:	aa1484-1500
Reactivity:	Human, Mouse
Purification:	Immunoaffinity purified
Presentation:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Recommended Storage:	Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.
Usage Summary:	Immunohistochemistry: LS-B656 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues and a panel of mouse tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B656 was determined to be 5 ug/ml.
Uses:	IHC - Paraffin (5 µg/ml), Immunofluorescence, Western blot (1:500 - 1:3000), ELISA (1:20000 - 1:80000) (Optimal dilution to be determined by the researcher)
Size:	50 µg
Concentration:	1 mg/ml

Immunohistochemistry Image:



Anti-Nestin antibody IHC of mouse kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B656 concentration 5 ug/ml.

Immunohistochemistry Image:

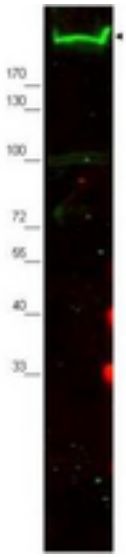


Anti-Nestin antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B656 concentration 5 ug/ml.

Immunohistochemistry Image:

Anti-Nestin Antibody - Western Blot. Western blot of Affinity Purified anti-Nestin antibody shows detection of a band ~220 kD corresponding to human Nestin (arrowhead). Undifferentiated HCN-1A human brain cortical neuron neuronal progenitor lysate (lane 1), or differentiated HCN-1A human brain cortical neuron neuronal progenitor lysate (lane 2) were separated by SDS-PAGE using 4-20% gradient gel. After transfer onto nitrocellulose, the membrane was blocked and then probed with the primary antibody diluted to 1:2000 overnight at 4C. The membrane was then washed and reacted with a 1:10000 dilution of peroxidase conjugated affinity purified Gt-a-Rabbit IgG [H&L] MX (LS-C60884) for 45 min at room temperature. Image was captured using film. Other detection systems will yield similar results. Image courtesy of Prof. F. H. Gage of the Salk Institute, San Diego, CA.

Western Blot Image:



Anti-Nestin Antibody - Western Blot. Western blot of Affinity Purified anti-Nestin antibody shows detection of a band ~220 kD corresponding to mouse Nestin (arrowhead). Approximately 30 g of MEF whole cell lysate was separated by SDS-PAGE using a 4-20% gradient gel. After transfer onto nitrocellulose, the membrane was blocked and then probed with the primary antibody diluted to 1:2000 overnight at 4C. The membrane was then washed and reacted with a 1:10000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX (for 45 min at room temperature. IRDye800 fluorescence image was captured using the Odyssey Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

Requested From:	Japan