

Nestin Polyclonal Antibody

Catalog NumberPA5-23386

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Non-human primate
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	Synthetic peptide (1484 ALETESQDSAEPGSEE 1500) of Nestin protein.	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	3-5 µg/mL
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.5 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

Nestin is a Class VI intermediate filament abundantly produced in the developing central nervous system (CNS) and in early embryonic neuroepithelial stem cells. Nestin has been widely used as a predominant marker for stem/progenitor cells, glioma cells, and tumor endothelial cells. Also, Nestin is a superior angiogenic marker to evaluate neovascularity of endothelial cells in tumors. Highly specific antibodies to human Nestin can aid in characterizing progenitor cells differentiating into distinct lineages, in enhancing the therapeutic potential of human neural stem/progenitor cells in the treatment of CNS diseases or injury, and in identifying neuroepithelial tumor cells. Nestin expression has been observed in pancreatic hematopoietic stem cell populations, and is considered a novel angiogenesis marker of proliferating endothelial cells in colorectal cancer tissue.

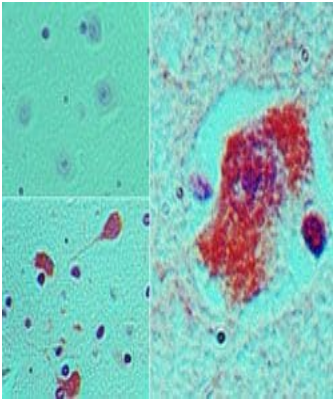
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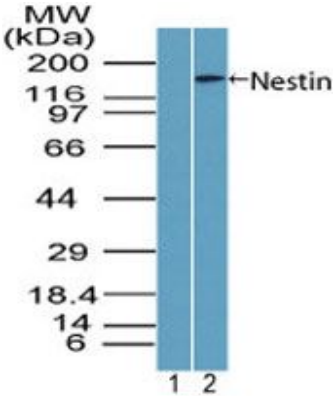
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Product Images For Nestin Polyclonal Antibody



Nestin Antibody (PA5-23386) in IHC (P)

Immunohistochemical analysis of Nestin in formalin-fixed, paraffin-embedded human brain tissue using an isotype control (top left) and a Nestin polyclonal antibody (Product # PA5-23386) (bottom left, right) at 5 µg/mL.



Nestin Antibody (PA5-23386) in WB

Western blot analysis of Nestin in human kidney lysate using 1) prebleed and 2) a Nestin polyclonal antibody (Product # PA5-23386) at 4 µg/mL.

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