



Monoclonal Antibody to Nestin

Alternate names:	NES, Nbla00170
Catalog No.:	AM12086PU-N
Quantity:	0.1 ml
Background:	<p>Nestin is a member of the class IV intermediate filament protein family which is expressed in neuronal stem cells, which is the origin of the name nestin. Nestin was originally identified as a result of the production of a series of monoclonal antibodies directed against epitopes expressed on formalin fixed embryo day-15 rat spinal cord. The protein proved to be an unusual member of the intermediate filament family, containing an alpha-helical region homologous to that found in keratin and neurofilament subunits. The protein was named Nestin as, in the developing nervous system, it is found in neural stem cells. The Nestin protein has a very short N-terminal region in front of the alpha-helical region and a very long and repetitive C-terminal region.</p> <p>Antibodies to Nestin are widely used to identify neural stem cells.</p>
Uniprot ID:	P48681
NCBI:	NP_006608
GeneID:	10763
Host / Isotype:	Mouse / IgG
Clone:	4D11
Immunogen:	Recombinant Human Nestin fragment expressed in E. coli.
Format:	State: Liquid IgG fraction. Buffer System: 50% Glycerol, 0.01% Sodium Azide
Applications:	Western blot (1/1000) Immunofluorescence/Immunocytochemistry (1/100). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes Nestin. Species: Human, Mouse and Rat. Other species not tested.
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Lendahl U, Zimmerman LB and McKay RD. Cell 60:585-95 (1990).
