

Anti-Nestin Antibody (6Y635)

Product Details

Ig Type:	IgG2a, κ
Reactivity:	Human
Molecular Weight:	Theoretical: 178 kDa. Actual: 240-300 kDa.
Clone:	6Y635
Purification:	Protein G purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (human brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Nestin) Monoclonal Antibody, Unconjugated (TMAB-09359) at 1:500 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	2. Paraformaldehyde-fixed, paraffin embedded (human spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Nestin) Monoclonal Antibody, Unconjugated (TMAB-09359) at 1:500 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	3. Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Nestin) Monoclonal Antibody, Unconjugated (TMAB-09359) at 1:500 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	4. 25 μ g total protein per lane of various lysates (see on figure) probed with Nestin monoclonal antibody, unconjugated (TMAB-09359) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
	5. 25 μ g total protein per lane of various lysates (see on figure) probed with Nestin monoclonal antibody, unconjugated (TMAB-09359) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	IHC-P,WB,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; WB: 1:500-1000; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Nestin
Antigen Species: Human
Gene ID: 10763
Uniprot ID: P48681

Research Background

Nestin is a Class VI intermediate filament expressed in the developing central nervous system (CNS) in early embryonic neuroepithelial stem cells. This protein has been widely used as a predominant marker for stem / progenitor cells, glioma cells, and tumor endothelial cells in the mammalian CNS. Furthermore, it is a superior angiogenic marker to evaluate neovascularity of endothelial cells in tumor.

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