

Anti-Nestin Antibody (3G848)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 178 kDa. Actual: 240-300 kDa.
Clone:	3G848
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Human Glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Human Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
8. 25 µg total protein per lane of various lysates (see on figure) probed with Nestin monoclonal antibody, unconjugated (TMAB-09361) at 1:5000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
9. 25 µg total protein per lane of various lysates (see on figure) probed with Nestin monoclonal antibody, unconjugated (TMAB-09361) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
10. 4% Paraformaldehyde-fixed U251 (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Nestin) monoclonal Antibody, unconjugated (TMAB-09361) 1:100, 90 min at

37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

11. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red), DAPI (blue) was used to stain the cell nuclei.

12. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Nestin Monoclonal Antibody, Unconjugated (TMAB-09361) at 1: 200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red), DAPI (blue) was used to stain the cell nuclei.

Application: IHC-P,IHC-Fr,IF,WB,ICC/IF

Recommended IHC-P: 1:200-1000; IHC-Fr: 1:200-1000; IF: 1:200-1000; WB: 1:1000-5000; ICC/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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481