

Anti-Neurogenin 2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Cow)
Molecular Weight:	Theoretical: 30 kDa. Actual: 30 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded (Mouse 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; Antibody incubation with (Neurogenin 2) Polyclonal Antibody, Unconjugated (TMAB-09389) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>2. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;</p> <p>Incubation: Anti-Neurogenin 2 Polyclonal Antibody, Unconjugated (TMAB-09389) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>3. Sample:</p> <p>Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Spleen tissue lysates Primary: Anti-Neurogenin 2 (TMAB-09389) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kDa Observed band size: 30 kDa</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; 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 Neurogenin 2
Antigen Species: Human
Gene ID: 63973
Uniprot ID: Q9H2A3

Research Background

Neurogenin 2 is a helix-loop-helix class of transcription factor. Transcription factors with bHLH motifs modulate critical events in the development of the mammalian neocortex. The transition from proliferation to neurogenesis involves a coordinate increase in the activity of proneural bHLH factors, including Neurogenin 2 and a decrease in the activity of Hes and Id factors. bHLH factors have key roles in corticogenesis, affecting the timing of differentiation and the specification of cell fate.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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