

Neurogenin 2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58092

Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession Q9H2A3

Reactivity Rat, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 28621
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human Neurogenin 2

Epitope Specificity 101-200/272

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus

SIMILARITY Contains 1 basic helix-loop-helix (bHLH) domain.

SUBUNIT Efficient DNA binding requires dimerization with another bHLH protein. **Important Note** This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions 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 execition of call fate

differentiation and the specification of cell fate.

Additional Information

Gene ID 63973

Other Names Neurogenin-2, NGN-2, Class A basic helix-loop-helix protein 8, bHLHa8,

Protein atonal homolog 4, NEUROG2, ATOH4, BHLHA8, NGN2

Dilution WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000

-10000

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name NEUROG2

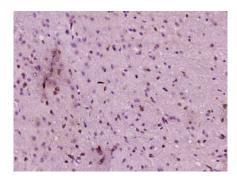
Synonyms ATOH4, BHLHA8, NGN2

Function Transcriptional regulator. Involved in neuronal differentiation. Activates

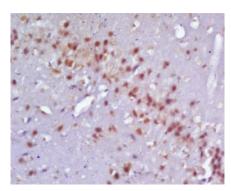
transcription by binding to the E box (5'- CANNTG-3').

Cellular Location Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00981}.

Images



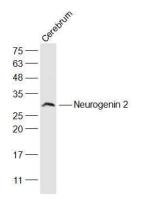
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurogenin 2) Polyclonal Antibody, Unconjugated (AP58092) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-Neurogenin 2 Polyclonal Antibody, Unconjugated(AP58092) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample:

Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-Neurogenin 2 (AP58092) at 1/1000

dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at

1/20000 dilution

Predicted band size: 30 kD Observed band size: 30 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.