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Anti-Monkey NeuN mAb

Catalog No.: A28655

Basic Information

Observed MW

Calculated MW
34 kDa

Category
Primary antibody

Applications
IHC-P,mIHC

Cross-Reactivity
Cynomolgus monkey

CloneNo number
ARC5231-01

Background

This gene encodes a member of the RNA-binding FOX protein family which is involved in the regulation of alternative splicing of pre-mRNA. The protein has an N-terminal proline-rich region, an RNA recognition motif (RRM) domain, and a C-terminal alanine-rich region. This gene produces the neuronal nuclei (NeuN) antigen that has been widely used as a marker for post-mitotic neurons. This gene has its highest expression in the central nervous system and plays a prominent role in neural tissue development and regulation of adult brain function. Mutations in this gene have been associated with numerous neurological disorders. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.

Recommended Dilutions

IHC-P	1:1000-1:4000
mIHC	1:1000-1:4000

Immunogen Information

Gene ID
101867210

Swiss Prot
I7GM52

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
FOX3; NEUN; FOX-3; HRNBP3

Contact

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Product Information

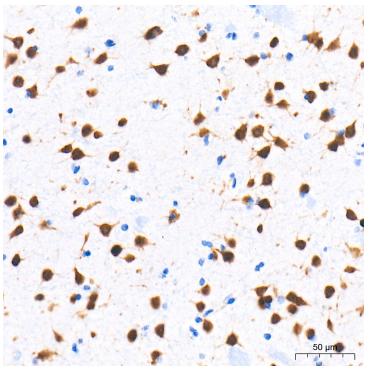
Source
Rabbit

Isotype
IgG

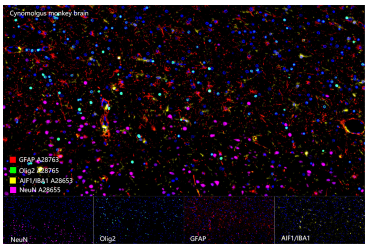
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Cynomolgus monkey brain tissue using Anti-Monkey NeuN mAb (A28655) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



The multiplex IHC analysis on paraffin-embedded Cynomolgus monkey brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Anti-Monkey NeuN mAb (A28655, 1:4000) with TSA-CFP440 (Magenta), and Anti-Monkey Olig2 mAb (A28765, 1:400) with TSA-CFP515 (Green), and Anti-Monkey GFAP mAb (A28763, 1:20000) with TSA-CFP555 (Red),and Anti-Monkey AIF1/IBA1 mAb (A28653, 1:10000) with TSA-CFP645 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.