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Anti-Monkey Olig2 mAb

Catalog No.: A28765

Basic Information

Observed MW

Calculated MW
32 kDa

Category
Primary antibody

Applications
IHC-P,mIHC

Cross-Reactivity
Cynomolgus monkey

CloneNo number
ARC5382-01

Background

This gene encodes a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenitor cell fate. The gene is involved in a chromosomal translocation t(14;21)(q11.2;q22) associated with T-cell acute lymphoblastic leukemia. Its chromosomal location is within a region of chromosome 21 which has been suggested to play a role in learning deficits associated with Down syndrome.

Recommended Dilutions

IHC-P	1:200 - 1:800
mIHC	1:200 - 1:800

Immunogen Information

Gene ID
/

Swiss Prot
/

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

Synonyms
BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19

Contact

400-999-6126

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Product Information

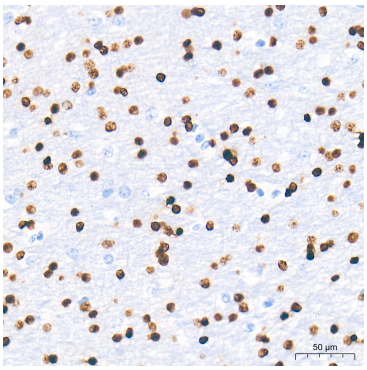
Source
Rabbit

Isotype
IgG

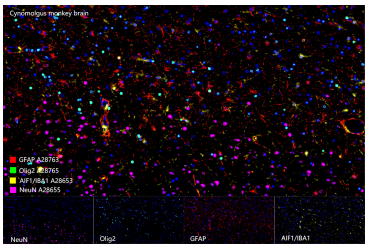
Purification
Affinity purification

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 Olig2 mAb (A28765) at a dilution of 1:200 (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.