

Anti-Monkey SOX2 PolymAb®

Catalog No.: A28880PM

Basic Information

Observed MW

Refer to figures

Calculated MW

34 kDa

Category

Primary antibody

Applications

mIHC

Cross-Reactivity

Cynomolgus monkey

Background

This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).

Recommended Dilutions

mIHC 1:100-1:200

Immunogen Information

Gene ID

6657

Swiss Prot

P48431

Immunogen

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

Synonyms

ANOP3; MCOPS3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

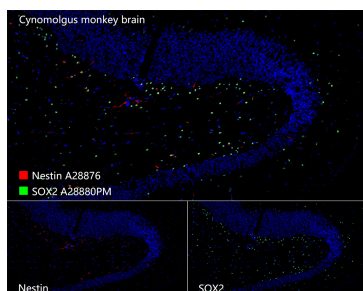
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



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 SOX2 PolymAb® (A28880PM, 1:100) with TSA-TYR-520 (Green), and Anti-Monkey Nestin mAb (A28876, 1:4000) with TSA-TYR-570 (Red). 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 20x objective lens.