

# 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

101865149

### 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

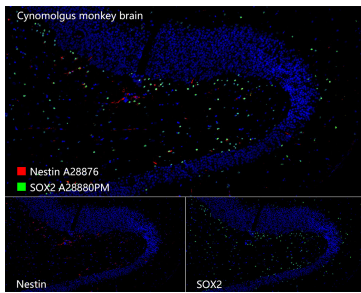
### Storage

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

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

## Validation Data

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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.