

## Anti-SOX1 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9403-Fluoro550

### About SOX1

SOX1 (for Sex determining region Y-box 1), located in 13q34, is a transcription factor in the Sox protein family. It means that this intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. In mice, a similar protein regulates the gamma-crystallin genes and is essential for lens development. SOX1 expression is restricted to neuroectoderm in the tetrapod embryo. It is expressed particularly in the ventral striatum.

### Overview

Product Name	Anti-SOX1 Antibody Picoband® Fluoro550 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O00570

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of Human SOX1, identical to the related mouse sequence.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 1 Publications Citing This Product

1. PubMed ID: 29531534, Yi H, Xie B, Liu B, Wang X, Xu L, Liu J, Li M, Zhong X, Peng F. Stem Cells Int. 2018 Jan 24;2018:3628578. doi: 10.1155/2018/3628578. eCollection 2018. Derivation and Identification of Motor Neurons from Human Urine-Derived Induced Pluripotent Stem...

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