

For Research Use Only

CoraLite®594-conjugated SOX2 Polyclonal antibody

Catalog Number:CL594-11064

Featured Product

1 Publications



Basic Information

Catalog Number:

CL594-11064

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1530

GenBank Accession Number:

BC013923

GeneID (NCBI):

6657

UNIPROT ID:

P48431

Full Name:

SRY (sex determining region Y)-box 2

Calculated MW:

34 kDa

Observed MW:

34-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Cited Applications:

IF

Species Specificity:

human, mouse, rat, zebrafish

Positive Controls:

IF-P: mouse brain tissue,

Background Information

Sox2, also known as SRY (sex determining region Y)-box 2, is a transcription factor essential for maintaining self-renewal of undifferentiated ES cells and is one of the key transcription factors used to reprogram mouse and human fibroblasts to a pluripotent state. Sox2 expressed in undifferentiated pluripotent stem cells and germ cells during development. Affinity purified rabbit anti-Sox2 antibody can be used to demonstrate pluripotency of ES and iPS cells. This antibody is a rabbit polyclonal antibody raised against an internal region of human SOX2. a rare undifferentiated cell population that is intermingled with the Bergmann glia of the adult murine cerebellar cortex, expresses the stem cell markers Sox2 and Nestin, and lacks markers of glial or neuronal differentiation. Sox2-expressing neural stem cells in the subgranular zone (SGZ), a well-known stem cell niche of the adult brain.

Notable Publications

Author	Pubmed ID	Journal	Application
David Valenti	39473160	J Integr Neurosci	IF

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

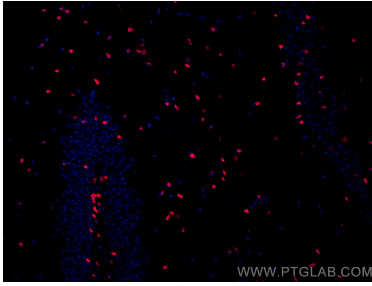
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite®594 SOX2 antibody (CL594-11064) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).