

For Research Use Only

# CoraLite® Plus 647-conjugated SOX2 Monoclonal antibody



Catalog Number: CL647-66411

Featured Product

## Basic Information

Catalog Number:

CL647-66411

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13635

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:

Protein G purification

CloneNo.:

4B9B10

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, pig, mouse, rat

## 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. This antibody is raised against an internal region of human SOX2.

## Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

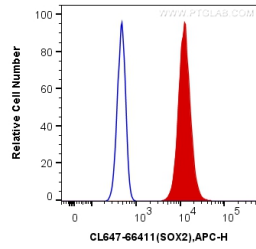
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1X10<sup>6</sup> U-251 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human SOX2 (CL647-66411, Clone:4B9B10) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).