

For Research Use Only

CoraLite®594-conjugated SIX2 Monoclonal antibody

Catalog Number:CL594-66347



Basic Information

Catalog Number:

CL594-66347

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG2124

GenBank Accession Number:

BC024033

GeneID (NCBI):

10736

UNIPROT ID:

Q9NPC8

Full Name:

SIX homeobox 2

Calculated MW:

291 aa, 32 kDa

Observed MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

1F9G11

Recommended Dilutions:

IF/ICC 1:600-1:2400

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat, pig, canine

Positive Controls:

IF/ICC : HeLa cells,

Background Information

The SIX proteins (sine oculis) are a family of homeodomain transcription factors that share a conserved DNA binding domain. Six members (Six1-Six6) of the Six gene family have been identified in mice and humans. SIX2, containing one homeobox DNA-binding domain, is highly expressed in fetal tissues but expression is limited in adult tissues. SIX2 may be involved in limb tendon and ligament development[PMID:21420949]. It has been previously shown that SIX2 is expressed in developing mesenchymal tissue including head and urogenital system at the time of overt midfacial and renal differentiation[PMID: 22282599].

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

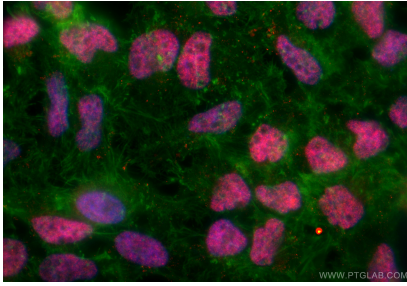
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

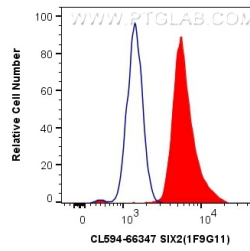
E: proteintech@ptglab.com
W: ptglab.com

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 HeLa cells using CoraLite®594 SIX2 antibody (CL594-66347, Clone: 1F9G11) at dilution of 1:1200, CL488-Phalloidin (green).



1X10⁶ C2C12 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human SIX2 (CL594-66347, Clone:1F9G11) (red), or 0.8 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).