

For Research Use Only

CoraLite®594-conjugated SIX2 Monoclonal antibody



Catalog Number:CL594-66347

Basic Information

Catalog Number: CL594-66347	GenBank Accession Number: BC024033	Purification Method: Protein A purification
Size: 100ul , Concentration: 2000 µg/ml by Nanodrop;	GeneID (NCBI): 10736	CloneNo.: 1F9G11
Source: Mouse	Full Name: SIX homeobox 2	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG2b	Calculated MW: 291 aa, 32 kDa	
Immunogen Catalog Number: AG2124	Observed MW: 37 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, rat, Canine, mouse, pig

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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



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).