

For Research Use Only

SIX1 Monoclonal antibody

Catalog Number: 67741-1-Ig



Basic Information

Catalog Number: 67741-1-Ig	GenBank Accession Number: BC008874	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6495	CloneNo.: 2D7D1
Source: Mouse	UNIPROT ID: Q15475	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: SIX homeobox 1	
Immunogen Catalog Number: AG28570	Calculated MW: 32 kDa	
	Observed MW: 30-35 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : L02 cells, HeLa cells, rat skeletal muscle tissue, mouse skeletal muscle tissue
Species Specificity: human, mouse, rat, pig, rabbit	IF/ICC : A431 cells,

Background Information

SIX1 belongs to SIX family that contains a divergent DNA-binding homeodomain and an upstream SIX domain, which may participate both in determining DNA-binding specificity and in mediating protein-protein interactions. It may be involved in limb tendon and ligament development, and specifically expressed in skeletal muscle. SIX1 plays an essential role in the development of numerous organs and shows little to no expression in most non-neoplastic adult tissue, yet is overexpressed in a number of neoplasms where it increases cell proliferation and survival. The calculated molecular weight of SIX1 is 32 kDa, but modified SIX1 is about 35 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

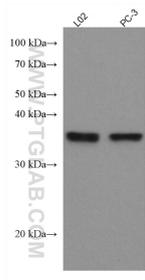
For technical support and original validation data for this product please contact:

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

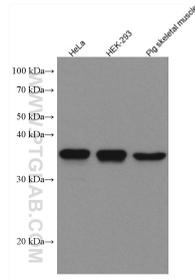
E: proteintech@ptglab.com
W: ptglab.com

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

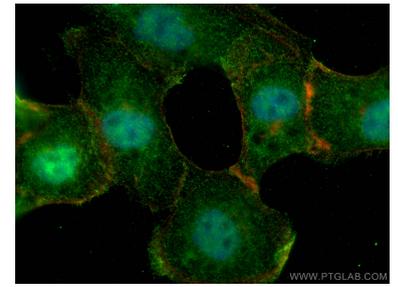
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67741-1-Ig (SIX1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67741-1-Ig (SIX1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using SIX1 antibody (67741-1-Ig, Clone: 2D7D1) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).