

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:
Species Specificity: human, mouse, rat, pig, rabbit	WB : L02 cells, HeLa cells, rat skeletal muscle tissue, mouse skeletal muscle tissue
	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 a essential role in the development of numerous organs and shows little to no expression in most non-neoplastic adult tissue, yet is overexpression in a number of meoplasms where it increases cell proliferation and survival. The calcualted molecular weight of SIX1 is 32kDa, but modified SIX1 is about 35 kDa.

Storage

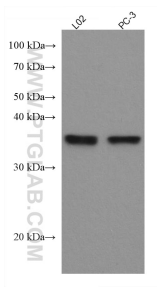
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

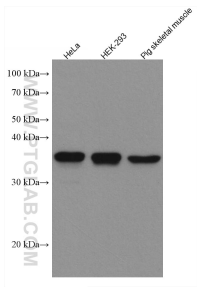
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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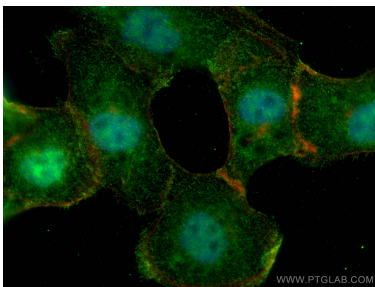
Selected Validation Data



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.



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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).