

For Research Use Only

SIX1 Monoclonal antibody

Catalog Number: 67741-1-Ig



Basic Information

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| Catalog Number: 67741-1-Ig | GenBank Accession Number: BC008874 | Purification Method: Protein A 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

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|---|---|
| Tested Applications: WB, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: Human, mouse, pig, rabbit, rat | 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

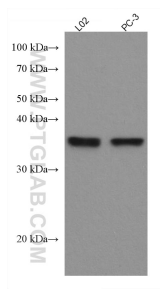
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

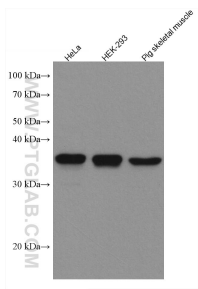
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

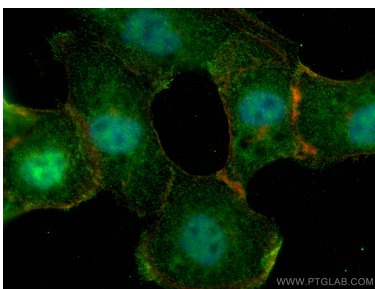
Selected Validation Data



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 Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).