

For Research Use Only

SIX1 Monoclonal antibody

Catalog Number: 67741-1-Ig



Basic Information

Catalog Number:

67741-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28570

GenBank Accession Number:

BC008874

GeneID (NCBI):

6495

UNIPROT ID:

Q15475

Full Name:

SIX homeobox 1

Calculated MW:

32 kDa

Observed MW:

30-35 kDa

Purification Method:

Protein G purification

CloneNo.:

2D7D1

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

Positive Controls:

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 neoplasms where it increases cell proliferation and survival. The calculated 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

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

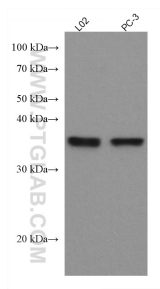
T: 4006900926

E: Proteintech-CN@ptglab.com

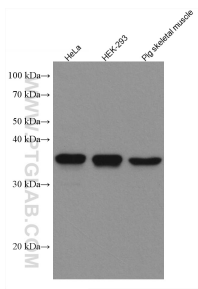
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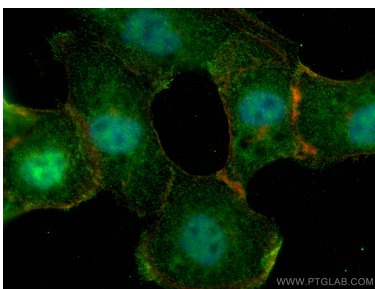
Selected Validation Data



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).