

For Research Use Only

SIX1 Polyclonal antibody

Catalog Number: 10709-1-AP

Featured Product

33 Publications



Basic Information

Catalog Number:

10709-1-AP

Size:

150ul, Concentration: 307 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1044

GenBank Accession Number:

BC008874

GeneID (NCBI):

6495

UNIPROT ID:

Q15475

Full Name:

SIX homeobox 1

Calculated MW:

32 kDa

Observed MW:

32-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, RIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : A2780 cells, HEK-293 cells, HepG2 cells, L02 cells, PC-3 cells, SKOV-3 cells

IP : HEK-293 cells,

IF/ICC : epithelial tumor 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 calculated molecular weight of SIX1 is 32kDa, but modified SIX1 is about 35 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhaoming Li	30231237	Cell Physiol Biochem	WB
I Adrados	26500063	Oncogene	IF
Krithika Ramachandran	31589602	PLoS Biol	

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)

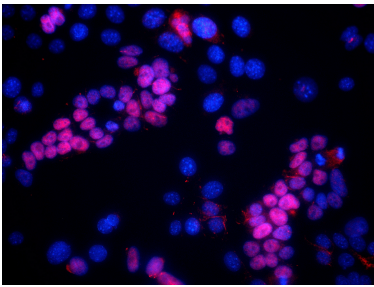
E: proteintech@ptglab.com
W: ptglab.com

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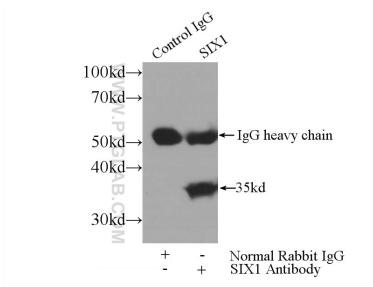
Selected Validation Data



A2780 cells were subjected to SDS PAGE followed by western blot with 10709-1-AP (SIX1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IF result of anti-SIX1 (1:50) in p53-/- mammary epithelial tumor cells. Blue: hoechst nuclear stain, Red: SIX1 stain the mesenchymal cell which have undergone EMT.



IP result of anti-SIX1 (IP:10709-1-AP, 3ug; Detection:10709-1-AP 1:1000) with HEK-293 cells lysate 2560ug.