

For Research Use Only

SIX1 Monoclonal antibody, PBS Only

Catalog Number: 67741-1-PBS



Basic Information

Catalog Number: 67741-1-PBS	GenBank Accession Number: BC008874	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 6495	CloneNo.: 2D7D1
Source: Mouse	UNIPROT ID: Q15475	
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, ELISA

Species Specificity:
Human, mouse, pig, rabbit, rat

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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS only

Aliquoting is unnecessary for -20°C storage

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

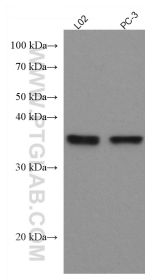
T: 4006900926

E: Proteintech-CN@ptglab.com

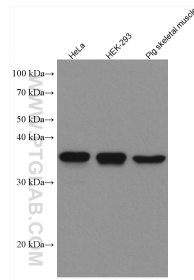
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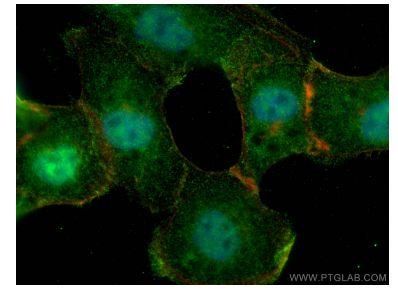
Selected Validation Data



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. This data was developed using the same antibody clone with 67741-1-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 67741-1-PBS in a different storage buffer formulation.