

For Research Use Only

# SIX2 Polyclonal antibody

Catalog Number: 11562-1-AP

Featured Product

264 Publications



## Basic Information

### Catalog Number:

11562-1-AP

### Concentration:

750 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2124

### GenBank Accession Number:

BC024033

### GeneID (NCBI):

10736

### UNIPROT ID:

Q9NPC8

### Full Name:

SIX homeobox 2

### Calculated MW:

291 aa, 32 kDa

### Observed MW:

32-37 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:2000-1:10000

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

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, IP, ChIP

### Species Specificity:

human

### Cited Species:

human, mouse, rat, pig, rabbit, canine, alligator

### Positive Controls:

WB : HEK-293 cells, L02 cells, PC-3 cells

IP : HEK-293 cells,

## Background Information

The SIX proteins (sine oculis) are a family of homeodomain transcription factors that share a conserved DNA binding domain. Six members (Six1-Six6) of the Six gene family have been identified in mice and humans. SIX2, containing one homeobox DNA-binding domain, is highly expressed in fetal tissues but expression is limited in adult tissues. SIX2 may be involved in limb tendon and ligament development[PMID:21420949]. It has been previously shown that SIX2 is expressed in developing mesenchymal tissue including head and urogenital system at the time of overt midfacial and renal differentiation[PMID: 22282599]. This antibody is a rabbit polyclonal antibody raised against full length SIX2 of human origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ravian L van Ineveld	36180532	Nat Protoc	
Bingjue Li	32715474	J Pathol	
Ken Hiratsuka	36129975	Sci Adv	

## 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:

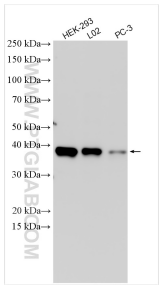
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

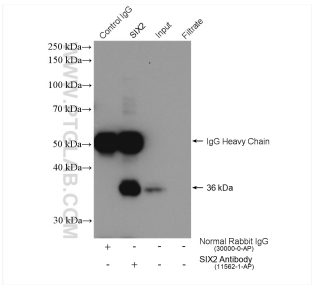
W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11562-1-AP (SIX2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-SIX2 (IP:11562-1-AP, 4ug; Detection:11562-1-AP 1:1000) with HEK-293 cells lysate 1320 ug.