

For Research Use Only

SIX2 Polyclonal antibody

Catalog Number: 11562-1-AP **203 Publications**



Basic Information

Catalog Number: 11562-1-AP	GenBank Accession Number: BC024033	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop and 520 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10736	Recommended Dilutions: IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: SIX homeobox 2	
Isotype: IgG	Calculated MW: 291 aa, 32 kDa	
Immunogen Catalog Number: AG2124	Observed MW: 32-37 kDa	

Applications

Tested Applications: IP, ELISA	Positive Controls: IP : HEK-293 cells,
Cited Applications: ChIP, IP, WB	
Species Specificity: human, mouse, rat	
Cited Species: Alligator, canine, human, mouse, pig, rat	

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
Rawah Faraj	31544449	Eur J Histochem	IF
David A D Munro	28929539	Dev Dyn	IHC
Valentina Benedetti	31534055	JCI Insight	WB,IHC,IF

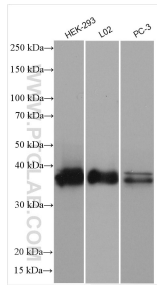
Storage

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

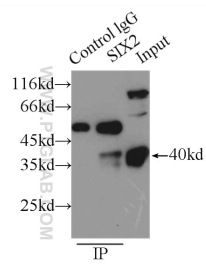
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11562-1-AP (SIX2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP Result of anti-SIX2 (IP:11562-1-AP, 3ug; Detection:11562-1-AP 1:500) with HEK-293 cells lysate 2700ug.