For Research Use Only

## SIX2 Polyclonal antibody

Catalog Number: 11562-1-AP

Featured Product



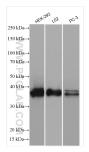


## Catalog Number: GenBank Accession Number: **Purification Method: Basic Information** 11562-1-AP BC024033 Antigen affinity purification GenelD (NCBI): Recommended Dilutions: Size: 150ul , Concentration: 750 $\mu g/ml$ by 10736 IP 0.5-4.0 ug for 1.0-3.0 mg of total Nanodrop: protein lysate UNIPROT ID: Source Q9NPC8 Rabbit Full Name: Isotype: SIX homeobox 2 lgG Calculated MW: Immunogen Catalog Number: 291 aa, 32 kDa AG2124 **Observed MW:** 32-37 kDa Positive Controls: **Tested Applications: Applications** IP, ELISA IP : HEK-293 cells, **Cited Applications:** WB, IP, ChIP **Species Specificity:** human **Cited Species:** human, rat, mouse, rabbit, pig, Alligator, canine The SIX proteins (sine oculis) are a family of homeodomain transcription factors that share a conserved DNA binding **Background Information** 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 Sci Adv 36129975 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 \*\*\* 20ul sizes contain 0.1% BSA

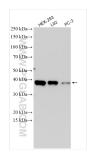
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

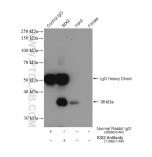
## Selected Validation Data



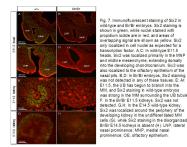
Various lysates were subjected to SDS PAGE followed by western blot with 11562-1-AP (SIX2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



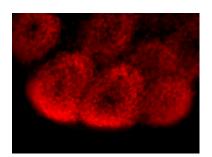
Various lysates were subjected to SDS PAGE followed by western blot with 11562-1-AP (SIX2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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



IF result from Fogelgren B, PMID:18570229, "Misexpression of Six2 is associated with heritable frontonasal dysplasia and renal hypoplasia in 3H1 Br mice.".



IF result of SIX2 antibody (11562-1-AP, 1:200) with mouse embryonic kidney rudiment dissected at E13.5 and cultured for 2 days by Dr. Aleksandra Rak-Raszewska. SIX2 positive cells (red) incondense metanephric mesenchyme surrounding the ureteric bud tip.