SIX2 Polyclonal ANTIBODY

Catalog Number: 11562-1-AP

Basic Information

- **Catalog Number:** 11562-1-AP
- **Size:** 78 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG2124

**GenBank Accession Number:** BC545603
**Gene ID (NCBI):** 10736
**Calculated MW:** 291 aa, 32 kDa
**Observed MW:** 32-37 kDa

**Recommended Dilutions:**
- **WB:** 1:500-1:1000
- **IP:** 0.5-4.0 μg for IP and 1:1000-1:1000 for WB
- **IHC:** 1:50-1:100

**Applications**

- **Tested Applications:** IHC, IP, WB, ELISA
- **Cited Applications:** ChIP, IF, IHC, IP, pull-down, WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** American alligator, human, mouse, 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**

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<th>Author</th>
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<tr>
<td>David A D Munro</td>
<td>28629539</td>
<td>Dev Dyn</td>
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<td>Helen McNeill</td>
<td>27647553</td>
<td>J Am Soc Nephrol</td>
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<td>Eunah Chung</td>
<td>27633953</td>
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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting:** Aliquoting is unnecessary for -20°C storage.

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

T: 1 (888) 4PTGLAB (478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
HEK-293 cells were subjected to SDS PAGE followed by western blot with 11562-1-AP SIX2 Antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.


Immunohistochemical of paraffin-embedded human kidney using 11562-1-AP SIX2 antibody at dilution of 1:50 (under 10x lens).

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

Immunohistochemical of paraffin-embedded human kidney using 11562-1-AP SIX2 antibody at dilution of 1:50 (under 40x lens).