SIX2 antibody

Catalog Number: 115250

Product name

SIX2 antibody

Immunogen

Human SIX2 Recombinant protein (GST tag)

Specificity

Human,Mouse,Rat; other species not tested.

Antibody description

SIX2 Rabbit Polyclonal antibody. Positive IHC detected in human kidney tissue, human renal cell carcinoma tissue. Positive IF detected in mouse embryonic kidney, heritable frontonasal dysplasia and renal hypoplasia in 3H1 Br mice. Positive WB detected in HEK-293 cells, L02 cells, PC-3 cells. Positive IP detected in HEK-293 cells. Observed molecular weight by Western-blot: 37-40kd

Preparation

This antibody was obtained by immunization of SIX2 recombinant protein (Accession Number: NM_016932). Purification method: Antigen affinity purified.

Formulation

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Storage

Store at -20℃. DO NOT ALIQUOT

Clonality

Polyclonal

Ig Type

Rabbit IgG

Applications

ELISA, IHC, IF, IP, WB

Dilutions

Recommended Dilution:

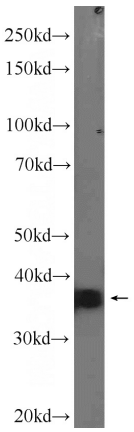
WB: 1:200-1:2000

IP: 1:200-1:2000

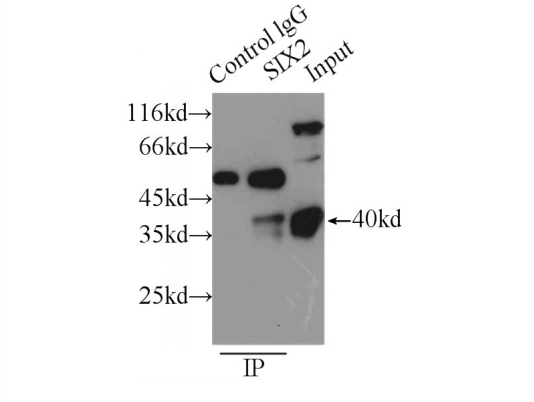
IHC: 1:20-1:200

IF: 1:20-1:200

Validations



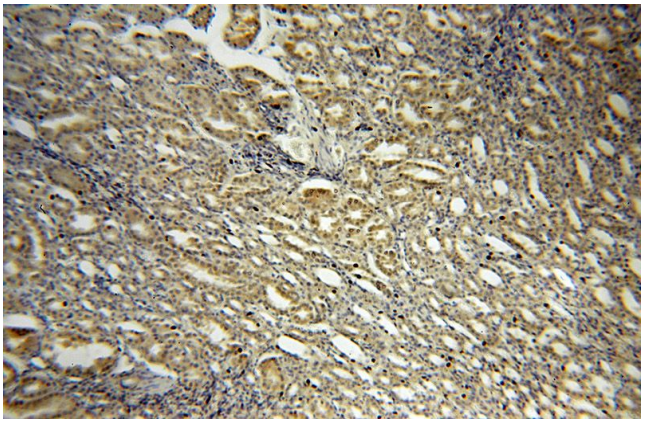
HEK-293 cells were subjected to SDS PAGE followed by western blot with Catalog No:115250(SIX2 Antibody) at dilution of 1:600



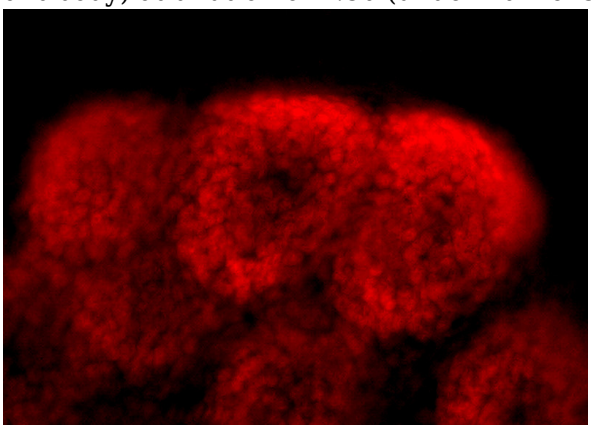
IP Result of anti-SIX2 (IP:Catalog No:115250, 3ug; Detection:Catalog No:115250 1:500) with HEK-293 cells lysate 2700ug.

SIX2 antibody

Catalog Number: 115250



Immunohistochemical of paraffin-embedded human kidney using Catalog No:115250(SIX2 antibody) at dilution of 1:50 (under 10x lens)



IF result of SIX2 antibody (Catalog No:115250, 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) in condense metanephric mesenchyme surrounding the ureteric bud tip.

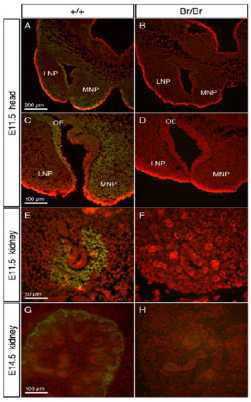
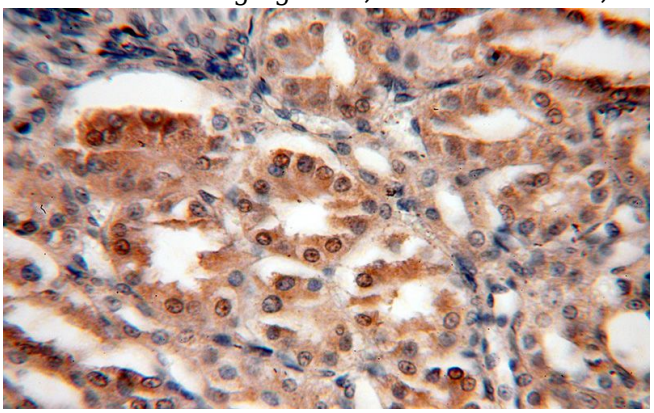


Fig. 7. Immunofluorescent staining of Six2 in wild-type and Br/Br embryos. Six2 staining is shown in green, while nuclei stained with propidium iodide are in red, and areas of overlapping signal are shown as yellow. Six2 only localized in cell nuclei as expected for a transcription factor. A,C: In wild-type E11.5 heads, Six2 was localized primarily in the MNP and midline mesenchyme, extending dorsally into the developing chondrocranium. Six2 was also localized to the olfactory epithelium of the nasal pits. B,D: In Br/Br embryos, Six2 staining was not detected in any of these tissues. E: At E11.5, the UB has begun to branch into the MM, and Six2 staining in wild-type embryos was strong in the MM surrounding the UB tubule. F: In the Br/Br E11.5 kidneys, Six2 was not detected. G,H: In the E14.5 wild-type kidney, Six2 was localized around the periphery of the developing kidney in the undifferentiated MM cells (G), while Six2 staining in the disorganized Br/Br E14.5 kidneys is absent (H). LNP, lateral nasal prominence; MNP, medial nasal prominence; OE, olfactory epithelium.

IF result from Fogelgren B, PMID:18570229,



Immunohistochemical of paraffin-embedded human kidney using Catalog No:115250(SIX2 antibody) at dilution of 1:50 (under 40x lens)