

## anti- SIX1 antibody

### Product Information

Catalog No.:	FNab07886
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Transcription factor that is involved in the regulation of cell proliferation, apoptosis and embryonic development. Plays an important role in the development of several organs, including kidney, muscle and inner ear. Depending on context, functions as transcriptional repressor or activator. Lacks an activation domain, and requires interaction with EYA family members for transcription activation. Mediates nuclear translocation of EYA1 and EYA2. Binds the 5'-TCA[AG][AG]TTNC-3' motif present in the MEF3 element in the MYOG promoter. Regulates the expression of numerous genes, including MYC, CCND1 and EZR. Acts as activator of the IGFBP5 promoter, probably coactivated by EYA2. Repression of precursor cell proliferation in myoblasts is switched to activation through recruitment of EYA3 to the SIX1-DACH1 complex. During myogenesis, seems to act together with EYA2 and DACH2 (By similarity). Regulates the expression of CCNA1.

### Immunogen information

Immunogen:	SIX homeobox 1
Synonyms:	BOS3, DFNA23, Homeobox protein SIX1, Sine oculis homeobox homolog 1, SIX homeobox 1, SIX1, TIP39
Observed MW:	32-35 kDa
UniprotID :	Q15475

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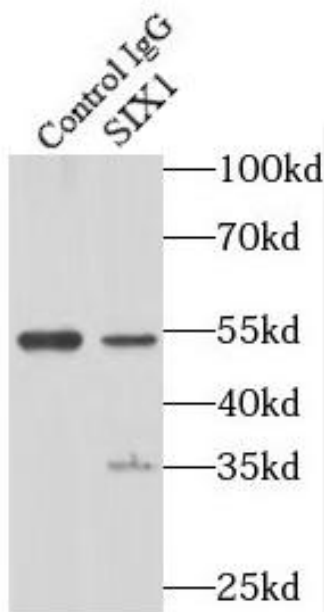
## Application

Reactivity: Human, Mouse

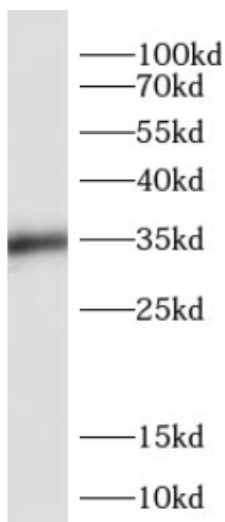
Tested Application: ELISA, WB, IF, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IF: 1:20-1:200

Image:



IP Result of anti-SIX1 (IP:FNab07886, 3ug;  
Detection:FNab07886 1:1000) with HEK-293 cells  
lysate 2560ug.



A2780 cells were subjected to SDS PAGE  
followed by western blot with FNab07886(SIX1  
antibody) at dilution of 1:800

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