

Rabbit anti-Human, Rat SIX1 Polyclonal Antibody | anti-SIX1 antibody

SIX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232867	Rabbit	Human, Rat	Immunohistochemistry, Western Blot, ELISA

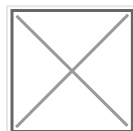
PRODUCT SYNONYMS

SIX1; Polyclonal Antibody; SIX1 Antibody; Homeobox protein SIX1; Sine oculis homeobox homolog 1; anti-SIX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	284
Applicable Applications for anti-SIX1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Homeobox protein SIX1 protein (144-262AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-9127 / sc-9708 / sc-9709
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of AAA232867 diluted at 1:400 and staining in paraffin-embedded human skeletal muscle tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: LO2 whole cell lysate,PC3 whole cell lysate,NIH/3T3 whole cell lysate,Rat liver tissueAll lanes: SIX1 antibody at 2.7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 33 KDaObserved band size: 33 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-SIX1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174681
NCBI GeneID	6495
NCBI Accession #	NP_005973.1
NCBI GenBank Nucleotide #	NM_005982.3
UniProt Accession #	Q15475; Q53Y16; Q96H64
Molecular Weight	32,210 Da
NCBI Official Full Name	homeobox protein SIX1
NCBI Official Synonym Full Names	SIX homeobox 1
NCBI Official Symbol	SIX1
NCBI Official Synonym Symbols	BOS3; TIP39; DFNA23
NCBI Protein Information	homeobox protein SIX1
UniProt Protein Name	Homeobox protein SIX1
UniProt Gene Name	SIX1
UniProt Entry Name	SIX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/six1-antibody-immunohistochemistry-western-blot-elisa/232867>