Datasheet for ABIN7155850

anti-SIX Homeobox 1 antibody (AA 144-262) (FITC)

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Overview

Quantity:	100 µg
Target:	SIX Homeobox 1 (SIX1)
Binding Specificity:	AA 144-262
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIX Homeobox 1 antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human Homeobox protein SIX1 protein (144-262AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SIX Homeobox 1 (SIX1)
Alternative Name:	SIX1 (SIX1 Products)
Background:	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,

Target Details

	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. Aliases: BOS3 antibody, DFNA23 antibody, Homeobox protein SIX1 antibody, OTTHUMP00000179042 antibody, Sine oculis homeobox homolog 1 antibody, SIX homeobox 1 antibody, SIX1 antibody, SIX1_HUMAN antibody, TIP39 antibody
UniProt:	Q15475
Pathways:	Sensory Perception of Sound, Regulation of Muscle Cell Differentiation, Tube Formation, Skeletal Muscle Fiber Development

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.