

Datasheet for ABIN6244222

anti-SIX Homeobox 1 antibody (AA 69-102)[Go to Product page](#)**1** Image

Overview

Quantity:	200 µL
Target:	SIX Homeobox 1 (SIX1)
Binding Specificity:	AA 69-102
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIX Homeobox 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SIX1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 69-102 amino acids from the Central region of human SIX1.
Clone:	RB53311
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SIX Homeobox 1 (SIX1)
Alternative Name:	SIX1 (SIX1 Products)
Background:	Transcription factor that is involved in the regulation of cell proliferation, apoptosis and

Target Details

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.

Molecular Weight: 32210

UniProt: [Q15475](#)

Pathways: [Sensory Perception of Sound](#), [Regulation of Muscle Cell Differentiation](#), [Tube Formation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

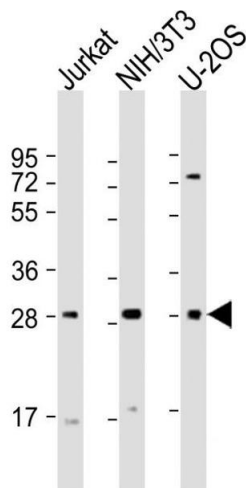
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-SIX1 Antibody (Center) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 32 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.