

Datasheet for ABIN7073970

anti-Foxk1 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Foxk1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Foxk1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein corresponding to Mouse FOXK1/MNF
Cross-Reactivity:	Human, Rat
Purification:	Affinity purification

Target Details

Target:	Foxk1
Alternative Name:	FOXK1/MNF (Foxk1 Products)
Background:	The FOX family of transcription factors share a common DNA binding domain termed a winged-helix or forkhead domain. Many FOX proteins play important roles in development, metabolism, cancer and aging. In skeletal muscles, undifferentiated myogenic stem cells (satellite cells) can mobilize to regenerate myofibers in response to injury. FOXK1 is expressed in these cells and regulates cell cycle progression through an interaction with its downstream

Target Details

target the cyclin-dependent kinase inhibitor p21 (CIP). Loss of FOXK1 in mice results in growth retardation and a severe impairment in skeletal muscle regeneration following injury. FOXK1 also shows expression in immature tissues of brain, eye, heart, lung and thymus.

Molecular Weight: 97 kDa

Gene ID: 17425

NCBI Accession: [NP_951031](#)

UniProt: [P42128](#)

Application Details

Application Notes: WB (H) 1:500-1:1000, IHC/IF (H,M,R) 1:1000-1:2000/1:650-1:1300

Restrictions: For Research Use only

Handling

Format: Liquid

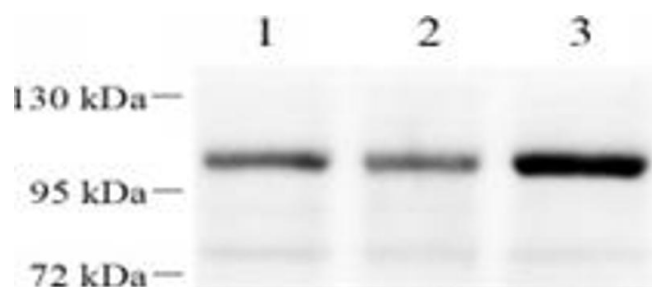
Buffer: PBS, pH 7.4, 0.02 % sodium azide

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: -20 °C

Images



Western Blotting

Image 1. Western blot analysis of FOXK1 (ABIN7073970) at dilution of 1: 1000, Lane 1: HeLa cell lysate, Lane 2: 293T cell lysate, Lane 3: H1299 cell lysate