Datasheet for ABIN7247897

anti-Foxk1 antibody

1 Image

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Overview

Quantity:	200 µL
Target:	Foxk1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Foxk1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthetic peptide of human FOXK1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	Foxk1
Alternative Name:	FOXK1 (Foxk1 Products)
Background:	The FOX family of transcription factors share a common DIUA 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

Target Details

	in these cells and regulates cell cycle progression through an interaction with its downstream 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. It also is predominantly expressed in many malignant tissues, such as tumors of the brain, colon and lymph node.
Molecular Weight:	Observed_MW: Refer to figures Calculated_MW: 75 kDa
UniProt:	P85037

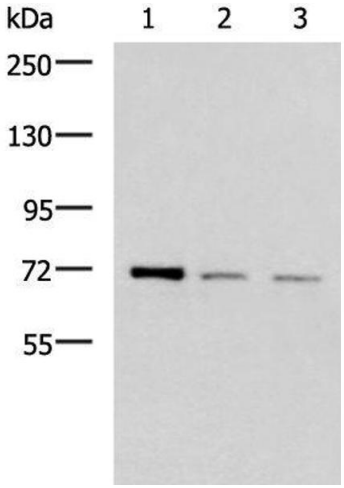
Application Details

Application Notes:	WB 1:500-1:2000, ELISA 1:5000-1:10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.5 mg/mL
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of K562 HepG2 and Jurkat cell lysates using FOXK1 Polyclonal Antibody at dilution of 1:400