

Datasheet for ABIN6243411
anti-UHMK1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	UHMK1
Binding Specificity:	AA 265-295, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UHMK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This KIST (KIS) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-295 amino acids from the C-terminal region of human KIST (KIS).
Clone:	RB5431
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	UHMK1
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Target Details

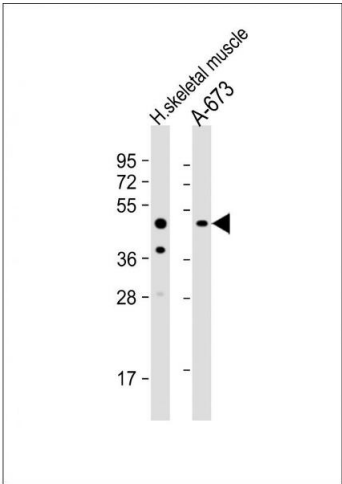
Alternative Name:	KIST (KIS) (UHMK1 Products)
Background:	KIST, a member of the Ser/Thr protein kinase family, is a pyruvate kinase that catalyzes formation of phosphoenolpyruvate from pyruvate and ATP. A role for the primarily nuclear KIST protein in mediation of cellular metabolism has been postulated based on the interaction identified with thyroid hormone. KIST is widely expressed, with highest abundance in skeletal muscle, kidney, placenta and peripheral blood leukocytes. Upon serum stimulation, KIST phosphorylates CDKN1B/p27Kip1, thereby regulating the subcellular location of CDKN1B and cell cycle progression in the G1 phase. KIST, which contains one RNA recognition motif domain, has been proposed to participate in trafficking and processing of RNA. KIST binds to Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells.
Molecular Weight:	46546
NCBI Accession:	NP_001171692 , NP_653225 , NP_787062
UniProt:	Q8TAS1

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

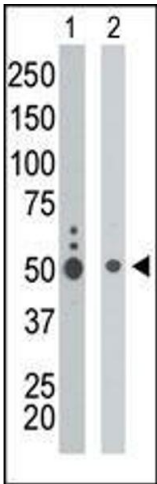
Handling

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-KIST Antibody at 1:1000 dilution
Lane 1: human skeletal muscle lysate Lane 2: A-673 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 : 47 kDa
Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 2. The anti-KIST Pab (ABIN6243411 and ABIN6578980) is used in Western blot to detect KIST in K562 cell lysate (Lane 1) and mouse liver tissue lysate (Lane 2).