

Datasheet for ABIN6242413

**anti-Aconitase 1 antibody (AA 354-388)**[Go to Product page](#)**1** Image

## Overview

Quantity:	200 µL
Target:	Aconitase 1 (AC01)
Binding Specificity:	AA 354-388
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aconitase 1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This AC01 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 354-388 amino acids from the Central region of human AC01.
Clone:	RB54996
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Aconitase 1 (AC01)
Alternative Name:	AC01 ( <a href="#">AC01 Products</a> )

## Target Details

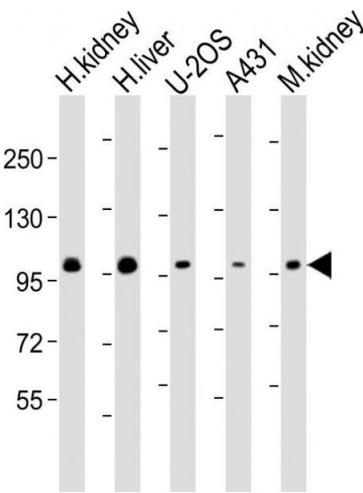
Background:	Iron sensor. Binds a 4Fe-4S cluster and functions as aconitase when cellular iron levels are high. Functions as mRNA binding protein that regulates uptake, sequestration and utilization of iron when cellular iron levels are low. Binds to iron-responsive elements (IRES) in target mRNA species when iron levels are low. Binding of a 4Fe-4S cluster precludes RNA binding.
Molecular Weight:	98399
UniProt:	<a href="#">P21399</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## 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-AC01 Antibody (Center) at 1:2000 dilution Lane 1: human kidney lysate Lane 2: human liver lysate Lane 3: U-2OS whole cell lysate Lane 4: A431 whole cell lysate Lane 5: mouse kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 98 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.