

Datasheet for ABIN6242535
anti-PRDM16 antibody (AA 771-804)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	PRDM16
Binding Specificity:	AA 771-804
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRDM16 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PRDM16 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 771-804 amino acids from the Central region of human PRDM16.
Clone:	RB49517
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PRDM16
Alternative Name:	PRDM16 (PRDM16 Products)
Background:	Binds DNA and functions as a transcriptional regulator. Functions in the differentiation of brown

Target Details

adipose tissue (BAT) which is specialized in dissipating chemical energy in the form of heat in response to cold or excess feeding while white adipose tissue (WAT) is specialized in the storage of excess energy and the control of systemic metabolism. Together with CEBPB, regulates the differentiation of myoblastic precursors into brown adipose cells. Functions also as a repressor of TGF-beta signaling. Isoform 4 may regulate granulocytes differentiation.

Molecular Weight: 140251

UniProt: [Q9HAZ2](#)

Pathways: [Stem Cell Maintenance](#), [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:2000. WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

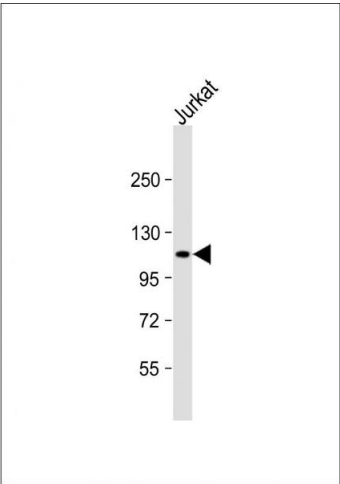
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

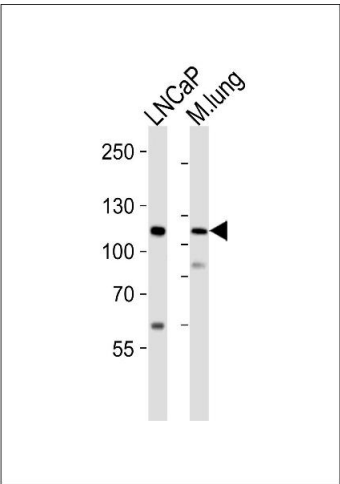
Storage: 4 °C, -20 °C

Expiry Date: 6 months



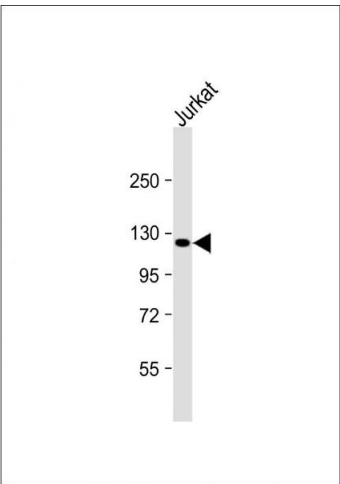
Western Blotting

Image 1. Anti-PRDM16 Antibody (Center) at 1:2000 dilution + Jurkat 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 : 140 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 2. Western blot analysis of lysates from LNCaP cell line, mouse lung tissue lysate (from left to right), using PRDM16 Antibody (Center) (ABIN6242535 and ABIN6577602). (ABIN6242535 and ABIN6577602) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Western Blotting

Image 3. Anti-PRDM16 Antibody (Center) at 1:2000 dilution + Jurkat 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 : 140 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.