

Datasheet for ABIN6242857  
**anti-JARID2 antibody (C-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	80 µL
Target:	JARID2
Binding Specificity:	AA 1107-1141, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JARID2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This Mouse Jarid2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1107-1141 amino acids from the C-terminal region of Mouse Jarid2.
Clone:	RB52505
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	JARID2
Alternative Name:	Jarid2 ( <a href="#">JARID2 Products</a> )
Background:	Regulator of histone methyltransferase complexes that plays an essential role in embryonic

## Target Details

development, including heart and liver development, neural tube fusion process and hematopoiesis. Acts by modulating histone methyltransferase activity and promoting the recruitment of histone methyltransferase complexes to their target genes. Binds DNA and mediates the recruitment of the PRC2 complex to target genes in embryonic stem cells. Does not have histone demethylase activity but regulates activity of various histone methyltransferase complexes. In embryonic stem cells, it associates with the PRC2 complex and inhibits trimethylation of 'Lys-27' of histone H3 (H3K27me3) by the PRC2 complex, thereby playing a key role in differentiation of embryonic stem cells and normal development. In cardiac cells, it is required to repress expression of cyclin-D1 (CCND1) by activating methylation of 'Lys-9' of histone H3 (H3K9me) by the GLP1/EHMT1 and G9a/EHMT2 histone methyltransferases. Also acts as a transcriptional repressor of ANF via its interaction with GATA4 and NKX2-5. Participates in the negative regulation of cell proliferation signaling.

Molecular Weight:	137445
-------------------	--------

UniProt:	<a href="#">Q62315</a>
----------	------------------------

Pathways:	<a href="#">Chromatin Binding</a>
-----------	-----------------------------------

## Application Details

Application Notes:	WB: 1:2000
--------------------	------------

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Liquid
---------	--------

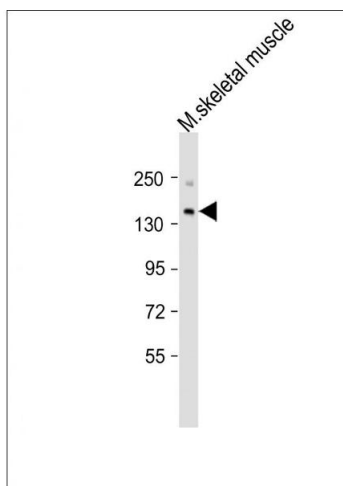
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
---------	--

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.** Anti-Jarid2 Antibody (C-term) at 1:2000 dilution + mouse skeletal muscle lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 137 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.