

Product datasheet

Anti-KDM5B / PLU1 / Jarid1B antibody ab231234

1 Image

Overview

Product name	Anti-KDM5B / PLU1 / Jarid1B antibody
Description	Rabbit polyclonal to KDM5B / PLU1 / Jarid1B
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse
Immunogen	Synthetic peptide corresponding to Mouse KDM5B/ PLU1/ Jarid1B (internal sequence) conjugated to keyhole limpet haemocyanin. Database link: Q80Y84
Positive control	WB: NIH/3T3 whole cell lysate; Mouse embryonic stem cells (E14Tg2a) whole cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab231234** in the following tested applications.

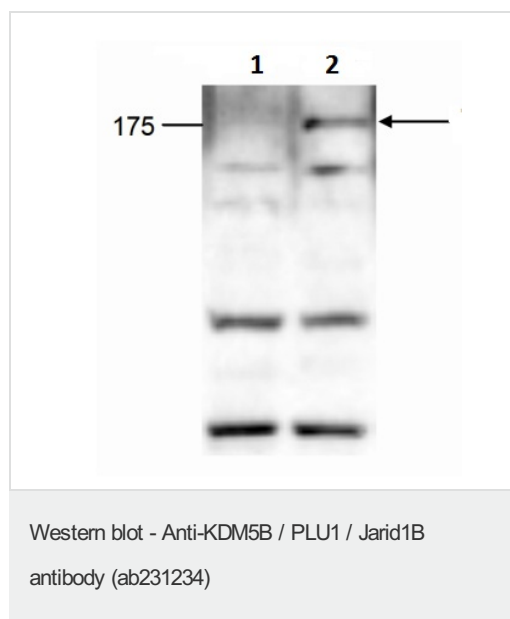
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500. Predicted molecular weight: 176 kDa.

Target

Function	Histone demethylase that demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9' or H3 'Lys-27'. Demethylates trimethylated, dimethylated and monomethylated H3 'Lys-4'. Acts as a transcriptional corepressor for FOXG1B and PAX9. Favors the proliferation of breast cancer cells by repressing tumor suppressor genes such as BRCA1 and HOXA5. In contrast, may act as a tumor suppressor for melanoma.
Tissue specificity	Ubiquitously expressed, with highest levels in testis. Down-regulated in melanoma and glioblastoma. Up-regulated in breast cancer (at protein level).
Sequence similarities	Belongs to the JARID1 histone demethylase family. Contains 1 ARID domain. Contains 1 JmjC domain. Contains 1 JmjN domain. Contains 3 PHD-type zinc fingers.
Domain	Both the JmjC domain and the JmjN domain are required for enzymatic activity. The 2 first PHD-type zinc finger domains are required for transcription repression activity.
Cellular localization	Nucleus.

Images



All lanes : Anti-KDM5B / PLU1 / Jarid1B antibody (ab231234) at 1/500 dilution

Lane 1 : NIH/3T3 (mouse embryo fibroblast cell line) whole cell lysate

Lane 2 : Mouse embryonic stem cells (E14Tg2a) whole cell lysate

Predicted band size: 176 kDa

Dilution buffer: BSA/ PBS-Tween.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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