

Product datasheet

Anti-Jarid2 antibody ab48137

1 Abreviews 7 References 1 图像

概述

产品名称	Anti-Jarid2抗体
描述	兔多克隆抗体to Jarid2
宿主	Rabbit
特异性	This antibody is specific for Jarid2
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human
免疫原	A synthetic peptide made to an N-terminal portion of the human Jarid2 protein, between residues 1-100
阳性对照	E16 mouse brain lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	Preservative: 0.05% Sodium Azide Constituents: Tris glycine, 150mM Sodium chloride
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab48137** in the following tested applications.

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

应用	Ab评论	说明
WB		Use a concentration of 2 µg/ml. Detects a band of approximately 139 kDa (predicted molecular weight: 139 kDa).

靶标

功能

Regulator of histone methyltransferase complexes that plays an essential role in embryonic 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.

组织特异性

During embryogenesis, predominantly expressed in neurons and particularly in dorsal root ganglion cells.

序列相似性

Contains 1 ARID domain.

Contains 1 JmjC domain.

Contains 1 JmjN domain.

结构域

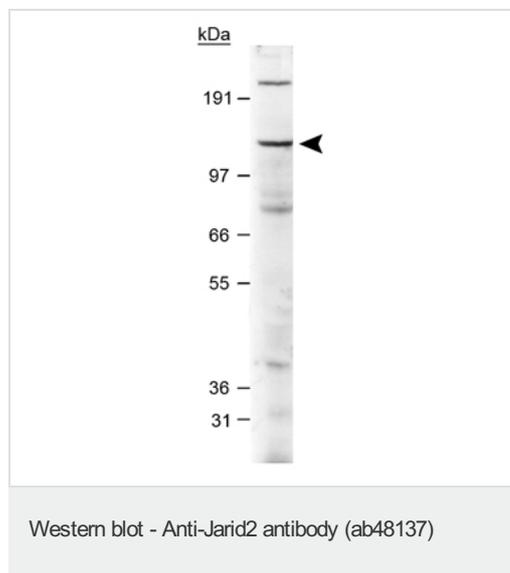
The ARID domain is required to target the PRC2 complex to its target genes.

The GSGFP motif is required for the interaction with SUZ12.

细胞定位

Nucleus. Colocalizes with the PRC2 complex on chromatin.

图片



Anti-Jarid2 antibody (ab48137) at 2 µg/ml +
E16 mouse brain lysate at 50 µg

Predicted band size: 139 kDa

Observed band size: 140,140 kDa

Additional bands at: 200 kDa, 80 kDa. We
are unsure as to the identity of these extra
bands.

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