JARID1b Antibody

ALTERNATE NAMES: CT31, PLU1, PUT1, RBBP2H1, RBP2-like

CATALOG #: 6854-50

AMOUNT: 50 µl

HOST/ISOTYPE: Rabbit

IMMUNOGEN: Polyclonal antibody raised in rabbit against mouse Jarid1b (Jumonji, AT rich interactive domain 1B), using a KLH-conjugated synthetic peptides containing an amino acid sequence from the central part of the protein.

FORM: Liquid

FORMULATION: In PBS with 0.05% (W/V) sodium azide.

PURIFICATION: Whole antiserum from rabbit

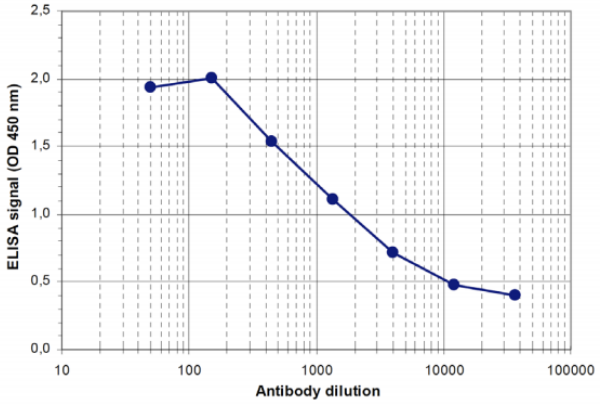
SPECIES REACTIVITY: Mouse

STORAGE CONDITIONS: Store at -20°C; for long storage, store at -80°C. Avoid multiple freeze-thaw cycles.

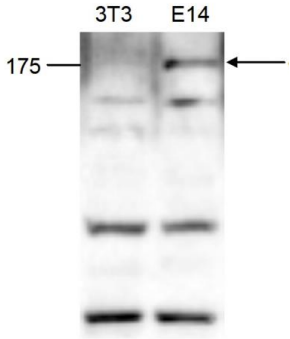
DESCRIPTION: JARID1b is a histone demethylase which specifically demethylates mono-, di, and trimethylated lysine 4 of histone H3. It acts as a transcriptional repressor for the tumor suppressor genes BRCA1 and HOXA5 and has been associated with breast cancer development. In contrast, in melanoma JARID1b itself may function as a tumor suppressor.

APPLICATION: Western Blot: 1:500, ELISA: 1:100 – 1:200.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



To determine the titer, an ELISA was performed using a serial dilution of the antibody. The wells were coated with the peptide used for immunization of the rabbit. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:2,200.



Western blot was performed on whole cell lysates from mouse fibroblasts (NIH3T3) and embryonic stem cells (E14Tg2a) with the antibody diluted 1:500 in BSA/PBS-Tween. The molecular weight marker (in kDa) is shown on the left; the location of the protein of interest (expected size: 179 kDa) is indicated on the right.

RELATED PRODUCTS:

- JARID1c Antibody **(Cat. No. 6855-50)**
- JARID2 Antibody **(Cat. No. 6856-50)**

FOR RESEARCH USE ONLY! Not to be used on humans.

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