

JARID1c Antibody

ALTERNATE NAMES: KDM5C, MRXJ, MRXSJ, SMCX, XE169

CATALOG #: 6855-50

AMOUNT: 50 µl

HOST/ISOTYPE: Rabbit

IMMUNOGEN: Polyclonal antibody raised in rabbit against mouse Jarid1c (jumonji, AT rich interactive domain 1C), using 3 KLH-conjugated synthetic peptides containing sequences from the inner part of the protein.

FORM: Liquid

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

PURIFICATION: Whole antiserum from rabbit

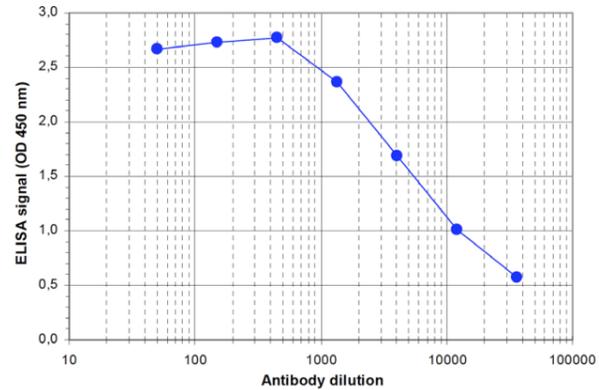
SPECIES REACTIVITY: Human, Mouse

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

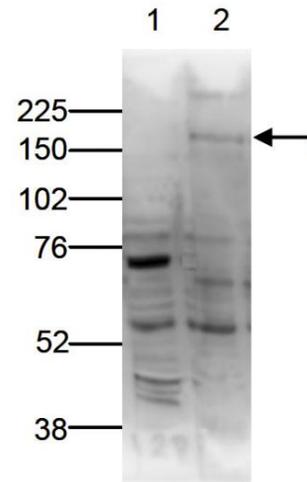
DESCRIPTION: Jarid1c is a histone demethylase which specifically demethylates lysine 4 of histone H3, thereby playing a central role in the regulation of transcription and chromatin remodelling. Jarid1c demethylates the trimethylated and dimethylated lysine 4, but not the monomethylated form. Further, Jarid1c participates in transcriptional repression of neuronal genes by recruiting histone deacetylases and REST at neuron-restrictive silencer elements. Mutations in the Jarid1c gene have been associated with X-linked mental retardation.

APPLICATION: Western Blot: 1:1000, ELISA: 1:500.

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 1:7000.



Nuclear extracts of HeLa cells (40 µg) were analysed by Western blot using the antibody and with the pre-immune serum (lane 1) diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right (expected size: 175 kDa); the marker (in kDa) is shown on the left. Figure 2 shows that the additional bands at approximately 55 and 80 kDa are also present in the pre-immune serum.

RELATED PRODUCTS:

- JARID1b Antibody (Cat. No. 6854-50)
- JARID2 Antibody (Cat. No. 6856-50)

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