

Anti-JMJD2C Antibody (C-term)

Catalog Number: A04689

About KDM4C

This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein with one JmjC domain, one JmjN domain, two PHD-type zinc fingers, and two Tudor domains. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form. Chromosomal aberrations and increased transcriptional expression of this gene are associated with esophageal squamous cell carcinoma. Alternative splicing results in multiple transcript variants.

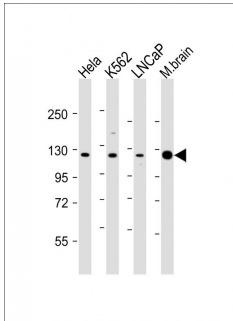
Overview

Product Name	Anti-JMJD2C Antibody (C-term)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-JMJD2C Antibody (C-term) (Catalog # A04689). Tested in WB, Flow Cytometry application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9H3R0

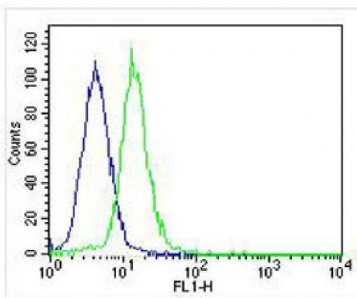
Technical Details

Immunogen	This JMJD2C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1023-1056 amino acids from the C-terminal region of human JMJD2C.
Predicted Reactive Species	Rabbit
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:2000 FC: 1:25

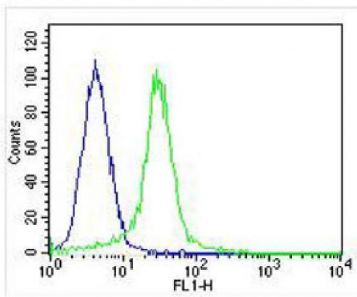
Anti-JMJD2C Antibody (C-term) (A04689) Images



All lanes : Anti-JMJD2C Antibody (C-term) at 1:2000 dilution
Lane 1: HeLa whole cell lysates
Lane 2: K562 whole cell lysates
Lane 3: LNCaP whole cell lysates
Lane 4: mouse brain lysates
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 120 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing HeLa cells stained with A04689 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (A04689, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



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For Research Use Only. Not for use in diagnostic procedures.