JMJD3 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1022a

Specification

JMJD3 Antibody (N-term) - Product Information

<table>
<thead>
<tr>
<th>Application</th>
<th>WB, IHC-P, IF, E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Accession</td>
<td>O15054</td>
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<tr>
<td>Other Accession</td>
<td>Q5NCY0</td>
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<tr>
<td>Reactivity</td>
<td>Human</td>
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<tr>
<td>Predicted</td>
<td>Mouse</td>
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<tr>
<td>Host</td>
<td>Rabbit</td>
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<tr>
<td>Clonality</td>
<td>Polyclonal</td>
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<td>Isotype</td>
<td>Rabbit Ig</td>
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<tr>
<td>Antigen Region</td>
<td>1-30</td>
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</tbody>
</table>

Gene ID 23135

Other Names
Lysine-specific demethylase 6B, 11411-, JmjC domain-containing protein 3, Jumonji domain-containing protein 3, Lysine demethylase 6B, KDM6B, JMJD3, KIAA0346

Target/Specificity
This JMJD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human JMJD3.

Dilution
WB—~1:1000
IHC-P—~1:10~50
IF—~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
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.

Precautions
JMJD3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Western blot analysis of anti-JMJD3 (N-term) Pab (AP1022a) in Hela cell line lysates. JMJD3 (arrow) was detected using the purified Pab.

Formalin-fixed and paraffin-embedded human brain tissue reacted with JMJD3 (N-term) (Cat.#AP1022a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.
Name KDM6B

Synonyms JMJD3, KIAA0346

Function
Nucleus.

JMJD3 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture

JMJD3 Antibody (N-term) - Citations

- JMJD3 is involved in neutrophil membrane proteinase 3 overexpression during the hyperinflammatory response in early sepsis.
- Cyclical DNA Methylation and Histone Changes Are Induced by LPS to Activate COX-2 in Human Intestinal Epithelial Cells.
- Generation of an anti-EpCAM antibody and epigenetic regulation of EpCAM in colorectal cancer.
- Histone demethylase KDM6B promotes epithelial-mesenchymal transition.
- Molecular mechanism of Jmjd3-mediated interleukin-6 gene regulation in endothelial cells underlying spinal cord injury.
- Sulforaphane suppresses polycomb group protein level via a proteasome-dependent mechanism in skin cancer cells.
- Evidence for alteration of EZH2, BMI1, and KDM6A and epigenetic reprogramming in human papillomavirus type 16 E6/E7-expressing keratinocytes.
- Chromatin and transcriptional signatures for Nodal signaling during endoderm formation in hESCs.
- Jmjd3 activates Mash1 gene in RA-induced neuronal differentiation of P19 cells.
- Epigenetic analysis of KSHV latent and lytic genomes.
- Oncogenic RAS alters the global and gene-specific histone modification pattern during epithelial-mesenchymal transition in colorectal carcinoma cells.
- Epithelial cell adhesion molecule regulation is associated with the maintenance of the undifferentiated phenotype of human embryonic stem cells.
- Abnormal expression pattern of histone demethylases in CD4(+) T cells of MRL/lpr lupus-like mice.
- Epigenetic regulation of the alternatively activated macrophage phenotype.