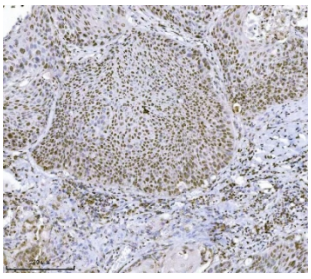
JHDM3A Antibody / KDM4A / JMJD2A (RQ7088)

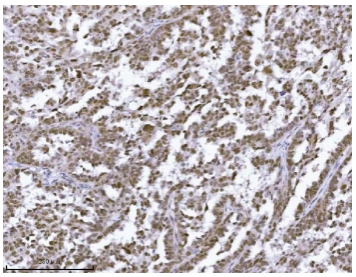
Catalog No.	Formulation	Size
RQ7088	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

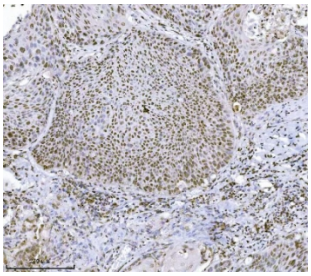
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O75164
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This JHDM3A antibody is available for research use only.



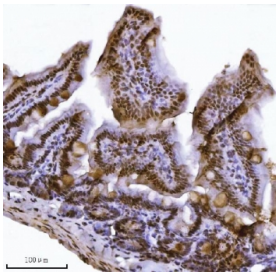
IHC staining of FFPE human squamous cell lung carcinoma tissue with JHDM3A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



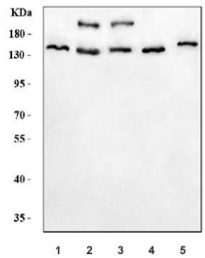
IHC staining of FFPE human ovarian serous carcinoma tissue with JHDM3A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



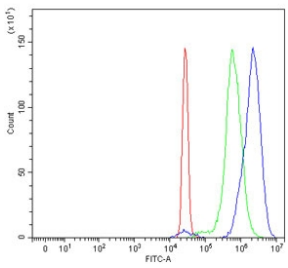
IHC staining of FFPE human laryngeal squamous cell carcinoma tissue with JHDM3A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse colon tissue with JHDM3A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human 293T, 3) human HEL, 4) rat C6 and 5) mouse NIH 3T3 cell lysate with JHDM3A antibody. Predicted molecular weight ~121 kDa.



Flow cytometry testing of human HepG2 cells with JHDM3A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= JHDM3A antibody.

Description

Lysine-specific demethylase 4A is an enzyme that in humans is encoded by the KDM4A gene. This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein containing a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor.

Application Notes

Optimal dilution of the JHDM3A antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids D379-E1064) was used as the immunogen for the JHDM3A antibody.

Storage

After reconstitution, the JHDM3A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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