

Product Name: KDM4A Mouse Monoclonal Antibody**Catalog #: AMM80880**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC, ICC, ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000
Molecular Weight	120kDa

Antigen Information

Gene Name	KDM4A
Alternative Names	JMJD2; JHDM3A; JMJD2A; KIAA0677; KDM4A
Gene ID	9682.0
SwissProt ID	O75164
Immunogen	Purified recombinant fragment of human KDM4A expressed in E. Coli.

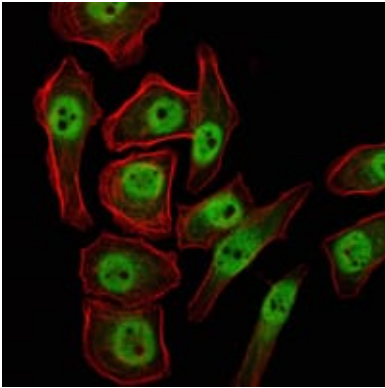
Background

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

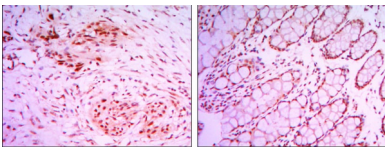
transcriptional repressor.

Research Area

Image Data



Immunofluorescence analysis of NTERA-2 cells using KDM4A mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues (left) and human larynx cancer tissues (right) using KDM4A mouse mAb with DAB staining.