

Allgemeine Informationen

Katalog-Nr.: 29977-1-AP	GenBank-Zugangsnummer: BC002558	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 1000 µg/ml von 9682	GeneID (NCBI): von 9682	Empfohlene Verdünnungen: WB 1:1000-1:6000
Nanodrop:	Vollständiger Name: lysine (K)-specific demethylase 4A	IP 0.5-4.0 µg für IP und 1:500-1:3000 für WB
Wirt: Kaninchen	Berechnete Masse: 1064 aa, 121 kDa	
Isotyp: IgG	Beobachtete Masse: 130-150 kDa	
Immunogen Katalognummer: AG31992		

Anwendungen

Geprüfte Anwendungen: FC, IP, WB, ELISA	Positivkontrollen:
Getestete Reaktivität: Human, Maus	WB: A549-Zellen, Mauslungengewebe, MCF-7-Zellen, MDA-MB-231-Zellen, NCL-H1299-Zellen
	IP: MCF-7-Zellen, A549-Zellen

Hintergrundinformationen

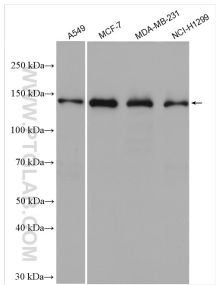
KDM4A also named as JHDM3A, JMJD2, or KIAA0677 is a 1066 amino acid protein, which contains one JmjC domain, two Tudor domains and two PHD-type zinc fingers. KDM4A localizes in nucleus and belongs to the JHDM3 histone demethylase family. KDM4A is histone de-methylase that specifically demethylates Lys 9 and Lys 36 residues of Histone H3, thereby playing a central role in histone code. JMJD2A demethylation of lysine residues will generate formaldehyde and succinate. KDM4A also participates in transcriptional repression of ASCL2 and E2F-responsive promoters via the recruitment of histone deacetylases and NCOR1, respectively. JMJD2A is a ubiquitously expressed nuclear protein. KDM4A exists as two isoforms. The short isoform of KDM4A in which the N-terminal demethylase domains has been deleted. The molecular weight of short isoform is 55Da.

Lagerung

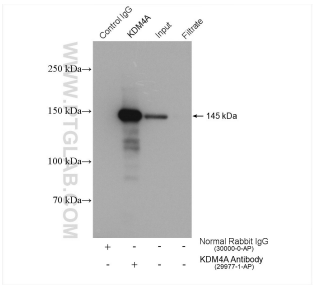
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

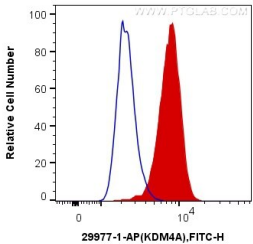
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 29977-1-AP (KDM4A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-KDM4A(IP:29977-1-AP, 4ug; Detection:29977-1-AP 1:1500) with MCF-7 cells lysate 2120 ug.



1X10⁶ A549 cells were intracellularly stained with 0.4 ug Anti-Human KDM4A (29977-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).