

Nur für Forschungszwecke

JMJD3 Polyklonaler Antikörper

Katalog-Nr.: 55354-1-AP

5 Publikationen



Allgemeine Informationen

Katalog-Nr.: 55354-1-AP	GenBank-Zugangsnummer: NM_001080424	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 23135	Empfohlene Verdünnungen: WB 1:500-1:2400
Wirt: Kaninchen	Vollständiger Name: jumonji domain containing 3, histone lysine demethylase	
Isotyp: IgG	Berechnete Masse: 177 kDa	
	Beobachtete Masse: 177 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : A549-Zellen, HeLa-Zellen
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Human	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

JMJD3, also known as KDM6B, is a 1643 amino acid protein, which belongs to the UTX family. JMJD3 is a Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17825402, PubMed:17851529,). JMJD3 demethylates trimethylated and dimethylated H3 'Lys-27', so it plays a central role in regulation of posterior development, by regulating HOX gene expression (PubMed:17851529). Histone demethylases are epigenetic actors with a crucial role in cancer by acting as suppressors of tumors or as oncogenes. JMJD3 and UTX (ubiquitously transcribed tetratricopeptide repeat, X chromosome) are transcription activators, being specific H3K27me3 demethylases. JMJD3 is involved in many cellular processes such as development, differentiation, senescence and aging by p16, p53 and RB pathways and finally inflammation. Depending on cancer type, JMJD3 expression is increased (prostate and breast cancers, melanoma, gliomas, renal cell carcinoma) or decreased (lung, liver, pancreatic, colon and colorectal cancers). This role in carcinogenesis has allowed the development of "epidrugs" to modulate JMJD3 expression (PMID: 29805743).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Zhen Xiao	30896884	Oncol Rep	WB
Lijie Tian	28587848	Gene	WB
Hong Chen	30516825	J Physiol	WB

Lagerung

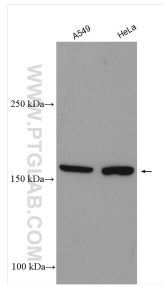
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
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Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 55354-1-AP (JMJD3 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.