

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-JMJD3



Numéro de catalogue: 55354-1-AP

5 Publications

Informations de base

Numéro de catalogue: 55354-1-AP	Numéro d'acquisition GenBank: NM_001080424	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 600 µg/ml by Nanodrop;	Identification du gène (NCBI): 23135	Dilutions recommandées: WB 1:500-1:2400
Hôte: Lapin	Nom complet: jumonji domain containing 3, histone lysine demethylase	
Isotype: IgG	MW calculé: 177 kDa	
	MW observés: 177 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : cellules A549, cellules HeLa
Demandes citées: WB	
Spécificité de l'espèce: Humain	
Espèces citées: Humain, rat, souris	

Informations générales

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 process 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).

Publications notables

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

Stockage

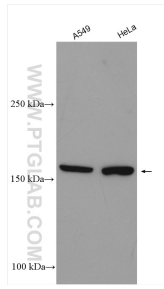
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

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Données de validation sélectionnées



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.