

For Research Use Only

CoraLite® Plus 488-conjugated KDM3A/JMJD1A Recombinant monoclonal antibody

Catalog Number:**CL488-83571-2**



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-83571-2	BC038297	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	55818	240532G11
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q9Y4C1	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	lysine (K)-specific demethylase 3A	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
AG28687	150 kDa	
	Observed MW:	
	140-150 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HepG2 cells,
Species Specificity:	
human	

Background Information

KDM3A, also name as JMJD1A, JHDM2A, JMJD1, JMJD1A, KIAA0742 and TSGA, belongs to the JHDM2 histone demethylase family. It is a histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central role in histone code. It is involved in spermatogenesis by regulating expression of target genes such as PRM1 and TMP1 which are required for packaging and condensation of sperm chromatin. It is involved in obesity resistance through regulation of metabolic genes such as PPARA and UCP1. (PubMed:16603237), JMJD1A is a useful biomarker for hypoxic tumor cells and a prognostic marker that could be a promising therapeutic target against CRC.

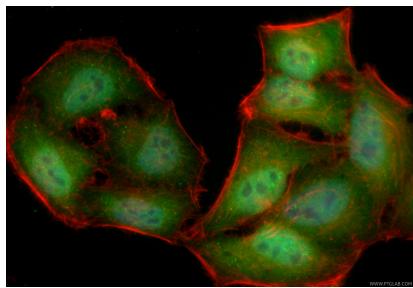
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 KDM3A/JMJD1A antibody (CL488-83571-2, Clone: 240532G11) at dilution of 1:200, CL594-phalloidin (red).