

For Research Use Only

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

Catalog Number: CL488-83571-2



## Basic Information

Catalog Number:	CL488-83571-2	GenBank Accession Number:	BC038297	Purification Method:	Protein A purification
Source:	Rabbit	GenelD (NCBI):	55818	CloneNo.:	240532G11
Isotype:	IgG	UNIPROT ID:	Q9Y4C1	Recommended Dilutions:	IF/ICC: 1:50-1:500
Immunogen Catalog Number:	AG28687	Full Name:	lysine (K)-specific demethylase 3A	Excitation/Emission maxima wavelengths:	493 nm / 522 nm
		Calculated MW:	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:

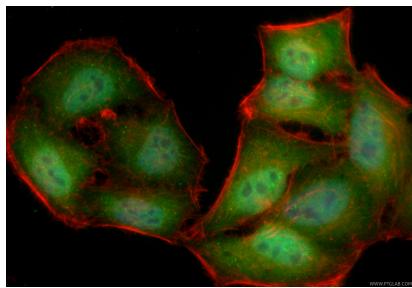
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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).