

Datasheet for ABIN6990705
anti-Kdm6b antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	Kdm6b
Binding Specificity:	AA 1370-1420, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kdm6b antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Anti-JMJD3 antibody was raised against a peptide corresponding to 16 amino acids near the carboxy terminus of human JMJD3. The immunogen is located within amino acids 1370-1420 of JMJD3.
Isotype:	IgG
Specificity:	This antibody is specific for JMJD3 and will not recognize other JMJD proteins.
Purification:	JMJD3 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Kdm6b
Alternative Name:	JMJD3 (Kdm6b Products)

Target Details

Background:	JMJD3 Antibody: The Jumonji domain-containing protein 3 (JMJD3) functions as a trimethylation-specific demethylase, converting the trimethylated histone H3 Lys27 residue to the dimethylated form, and is thought to also function as a transcriptional repressor. JMJD3 plays a central role in regulation of posterior development, by regulating HOX gene expression. It is involved in inflammatory response by participating in macrophage differentiation in case of inflammation by regulating gene expression and macrophage differentiation. JMJD3 can also interact with and demethylate p53, resulting in its stabilization and localization to the nucleus in mouse embryo fibroblasts during neural stem cell differentiation.
Molecular Weight:	Predicted: 180 Observed: 180 kD kDa
Gene ID:	23135
UniProt:	O15054
Pathways:	Warburg Effect

Application Details

Application Notes:	WB: 0.25-4 µg/mL, ICC: 2.5 µg/mL, IF: 20 µg/mL. Antibody validated: Western Blot in human, mouse and rat samples, Immunocytochemistry in human samples, Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	JMJD3 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C

Handling

Storage Comment: JMJD3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.