

Mouse anti-Human JMJD6 Monoclonal Antibody | anti-JMJD6 antibody

JMJD6 Antibody

CATALOG # AAA111268	HOST Mouse	REACTIVITY Human
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PRODUCT SYNONYMS

JMJD6; Monoclonal Antibody; JMJD6 Antibody; jumonji domain containing 6; Lysyl-hydroxylase JMJD6; Phosphatidylserine receptor; PTDSR; KIAA0585; Histone arginine demethylase JMJD6; JmjC domain-containing protein 6; PSR; Peptide-lysine 5-dioxygenase JMJD6; Protein PTDSR; anti-JMJD6 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels of JMJD6(N-terminus) and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sequence Length	414
Immunogen	Purified recombinant human JMJD6(N-terminus) fragments expressed in E Coli.
Cellular Localization	Nucleus

IMAGES



Application Data

Western blot detection of JMJD6(N-terminus) antibody in HeLa&HL-60 lysates using JMJD6(N-terminus) antibody (1:1000 diluted). Predicted band size: 46KDa Observed band size: 62KDa.



Application Data

Immunocytochemistry of HeLa cells using anti- JMJD6(N-terminus) antibody diluted 1:200

ADDITIONAL INFORMATION

Related Product Information for anti-JMJD6 antibody	UniPort Summary Function: Dioxxygenase that can both act as a histone arginine demethylase and a lysyl-hydroxylase. Acts as a lysyl-hydroxylase that catalyzes 5-hydroxylation on specific lysine residues of target proteins such as U2AF2/U2AF65 and LUC7L2. Acts as a regulator of RNA splicing by mediating 5-hydroxylation of U2AF2/U2AF65, affecting the pre-mRNA splicing activity of U2AF2/U2AF65. In addition to peptidyl-lysine 5-dioxxygenase activity, may act as a RNA hydroxylase, as suggested by its ability to bind single strand RNA. Also acts as an arginine demethylase which demethylates histone H3 at 'Arg-2' (H3R2me) and histone H4 at 'Arg-3' (H4R3me), thereby playing a role in histone code. However, histone arginine demethylation may not constitute the primary activity in vivo. Has no histone lysine demethylase activity. Required for differentiation of multiple organs during embryogenesis. Acts as a key regulator of hematopoietic differentiation: required for angiogenic sprouting by regulating the pre-mRNA splicing activity of U2AF2/U2AF65. Seems to be necessary for the regulation of macrophage cytokine responses. Entrez Summary: This gene encodes a nuclear protein with a JmjC domain. JmjC domain-containing proteins are predicted to function as protein hydroxylases or histone demethylases. This protein was first identified as a putative phosphatidylserine receptor involved in phagocytosis of apoptotic cells; however, subsequent studies have indicated that it does not directly function in the clearance of apoptotic cells, and questioned whether it is a true phosphatidylserine receptor. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-JMJD6 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	125988395
NCBI GeneID	23210
NCBI Accession #	NP_001074930.1
NCBI GenBank Nucleotide #	NM_001081461
UniProt Accession #	Q6NYC1; Q86VY0; Q8IUM5; Q9Y4E2; B3KMN8; B4DGX1
Molecular Weight	62kDa
NCBI Official Full Name	bifunctional arginine demethylase and lysyl-hydroxylase JMJD6 isoform 1
NCBI Official Synonym Full Names	arginine demethylase and lysine hydroxylase
NCBI Official Symbol	JMJD6
NCBI Official Synonym Symbols	PSR; PTDSR; PTDSR1
NCBI Protein Information	bifunctional arginine demethylase and lysyl-hydroxylase JMJD6
UniProt Protein Name	Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6
UniProt Gene Name	JMJD6
UniProt Synonym Gene Names	KIAA0585; PTDSR; Protein PTDSR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/jmjd6-antibody-elisa/111268>