

Rabbit anti-Human KDM4D Polyclonal Antibody | anti-KDM4D antibody

KDM4D Antibody

CATALOG # AAA301014	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

KDM4D; Polyclonal Antibody; KDM4D Antibody; JMJD2D; anti-KDM4D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total KDM4D protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Concentration	2.2 mg/ml (varies by lot)
Sequence Length	523
Applicable Applications for anti-KDM4D antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human lysine (K)-specific demethylase 4D
Target Name	KDM4D
Preparation and Storage	Store at -20°C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using at dilution 1/50.



Application Data

Gel: 8%SDS-PAGE Lysates (from left to right): Human fetal brain tissue Amount of lysate: 40ug per lane Primary antibody: 1/1100 dilution Secondary antibody dilution: 1/8000 Exposure time: 10 minutes

ADDITIONAL INFORMATION

Related Product Information for anti-KDM4D antibody	JMJD2D (Jumonji domain-containing protein 2D), also known as JHDM3D or KDM4D, is a 520 amino acid protein that belongs to the JHDM3 histone demethylase family. Localized to the nucleus, JMJD2D functions as a histone demethylase that removes specific methyl residues from Histone H3, thereby playing a crucial role in the histone code. JMJD2D binds iron as a cofactor and contains one JMJC domain and one JMJD domain, both of which are thought to exhibit enzymatic activity during chromatin remodeling events. In addition, JMJD2D forms a complex with the ligand-bound form of the androgen receptor (AR) and, through this interaction, activates AR expression. Overexpression of AR is associated with prostate cancer, suggesting that, via its ability to upregulate AR, JMJD2D may be involved in carcinogenesis.
Product Categories/Family for anti-KDM4D antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	39653317
NCBI GeneID	55693
NCBI Accession #	NP_060509.2
NCBI GenBank Nucleotide #	NM_018039.2
UniProt Accession #	Q6B0I6; Q0VF39; Q9NT41; Q9NW76; B3KPC4
Molecular Weight	SDS-PAGE MW: 59kd
NCBI Official Full Name	lysine-specific demethylase 4D
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 4D
NCBI Official Symbol	KDM4D
NCBI Official Synonym Symbols	JMJD2D
NCBI Protein Information	lysine-specific demethylase 4D
UniProt Protein Name	Lysine-specific demethylase 4D
UniProt Gene Name	KDM4D
UniProt Synonym Gene Names	JHDM3D; JMJD2D
UniProt Entry Name	KDM4D_HUMAN

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/polyclonal/kdm4d-antibody-immunohistochemistry-western-blot-elisa/301014>