

Rabbit anti-Human KDM4B Polyclonal Antibody | anti-KDM4B antibody

KDM4B antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50462	Rabbit	Human	Western Blot, Immunoprecipitation, Immunofluorescence

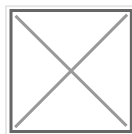
PRODUCT SYNONYMS

KDM4B; Polyclonal Antibody; KDM4B antibody; RABBIT ANTI HUMAN KDM4B; anti-KDM4B antibody

PRODUCT SPECIFICATIONS

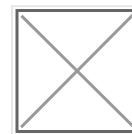
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antiserum to human KDM4B was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Form/Format	Purified IgG - liquid Phosphate buffered saline 0.035% Sodium Azide (NaN ₃), 30% Glycerol
Applicable Applications for anti-KDM4B antibody	WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence)
Immunogen	A peptide within the C-terminal region of human KDM4B
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20 degree C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8 degree C for short term use (up to 4 weeks) and store the remaining aliquots at -20 degree C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

IMAGES



WB (Western Blot)

Western blot analysis of K562 cell nuclear extract (40 ug) probed with KDM4B antibody (AAA50462) at a 1/500 dilution.



IP (Immunoprecipitation)

Immunoprecipitation of KDM4B from K562 whole cell extract (lane 1). 4 ug of mouse IgG was used as a negative control (lane 2). Western blot analysis was performed using KDM4B antibody (AAA50462) at a 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM4B antibody

Rabbit anti Human KDM4B antibody recognizes lysine-specific demethylase 4B, also known as JMJD2B. KDM4B is a member of the alpha-ketoglutarate-dependent hydroxylase superfamily of enzymes. Alpha-ketoglutarate-dependent hydroxylases catalyse a wide range of reactions, including hydroxylation, demethylation and desaturation (Flashman and Schofield, 2007, Hausinger, 2004). KDM4B functions as a histone demethylase and is involved in the regulation of endothelial-to-mesenchymal transition (Glaser et al. 2020). KDM4B also forms a complex with MLL2 and acts as a co-factor of ERa-mediated transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	45504380
NCBI GeneID	23030
NCBI Accession #	NP_055830.1
NCBI GenBank Nucleotide #	NM_015015.2
UniProt Accession #	O94953; O75274; Q6P3R5; Q9P1V1; Q9UF40; B9EGN8; D6W631
Molecular Weight	121,897 Da
NCBI Official Full Name	lysine-specific demethylase 4B
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 4B
NCBI Official Symbol	KDM4B
NCBI Official Synonym Symbols	JMJD2B; TDRD14B
NCBI Protein Information	lysine-specific demethylase 4B; tudor domain containing 14B; jumonji domain containing 2B; jumonji domain-containing protein 2B; jmjC domain-containing histone demethylation protein 3B
UniProt Protein Name	Lysine-specific demethylase 4B
UniProt Gene Name	KDM4B
UniProt Synonym Gene Names	JHDM3B; JMJD2B; KIAA0876
UniProt Entry Name	KDM4B_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/kdm4b-antibody-western-blot-immunoprecipitation-immunofluorescence-elisa/50462>