

Rabbit KDM6A/UTX Polyclonal Antibody | anti-KDM6A antibody

KDM6A/UTX Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328916	Rabbit	Human, Mouse, Rat Predicted Reactivity: Zebrafish(83%), Bovine(100%), Sheep(100%), Rabbit(88%), Dog(100%), Chicken(100%), Xenopus(88%)	ELISA, Immunocytochemistry, Immunofluorescence

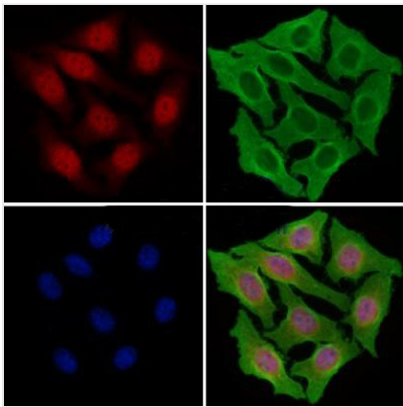
PRODUCT SYNONYMS

KDM6A/UTX; Polyclonal Antibody; KDM6A/UTX Antibody; bA386N14.2 (ubiquitously transcribed X chromosome tetratricopeptide repeat protein (UTX); bA386N14.2; bA386N14.2 ubiquitously transcribed X chromosome tetratricopeptide repeat protein UTX; DKFZp686A03225; Histone demethylase UTX; KABUK2; Kdm6a; KDM6A_HUMAN; Lysine (K) specific demethylase 6A; Lysine K specific demethylase 6A; Lysine specific demethylase 6A ubiquitously transcribed tetratricopeptide repeat gene X chromosome; Lysine-specific demethylase 6A; MGC141941; Ubiquitously transcribed tetratricopeptide repeat X chromosome; Ubiquitously transcribed tetratricopeptide repeat protein X linked; Ubiquitously transcribed TPR gene on the X chromosome; Ubiquitously transcribed TPR protein on the X chromosome; Ubiquitously transcribed X chromosome tetratricopeptide repeat protein; Ubiquitously-transcribed TPR protein on the X chromosome; Ubiquitously-transcribed X chromosome tetratricopeptide repeat protein; UTX; anti-KDM6A antibody

PRODUCT SPECIFICATIONS

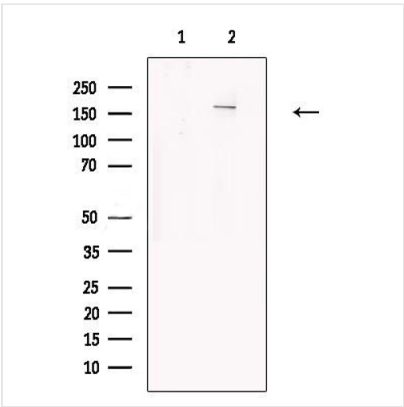
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Zebrafish(83%), Bovine(100%), Sheep(100%), Rabbit(88%), Dog(100%), Chicken(100%), Xenopus(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	KDM6A / UTX Antibody detects endogenous levels of total KDM6A / UTX.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1401
Applicable Applications for anti-KDM6A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human KDM6A / UTX, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328916 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA328916 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from MCF7, using KDM6A / UTX Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM6A antibody	Function: Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17851529, PubMed:17713478, PubMed:17761849). Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27' (PubMed:17851529, PubMed:17713478, PubMed:17761849). Plays a central role in regulation of posterior development, by regulating HOX gene expression (PubMed:17851529). Demethylation of 'Lys-27' of histone H3 is concomitant with methylation of 'Lys-4' of histone H3, and regulates the recruitment of the PRC1 complex and monoubiquitination of histone H2A (PubMed:17761849). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression (By similarity). Subcellular Location: Nucleus. Subunit Structure: Interacts with TLE1 (By similarity). Component of the MLL2/3 complex (also named ASCOM complex), at least composed of KMT2D/MLL2 or KMT2C/MLL3, ASH2L, RBBP5, WDR5, NCOA6, DPY30, KDM6A (or KDM6B), PAXIP1/PTIP, PAGR1 and alpha- and beta-tubulin (PubMed:17500065, PubMed:17713478). Interacts with SUPT6H. Interacts with SMARCA4 (By similarity). Similarity: Belongs to the UTX family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189011544
NCBI GeneID	7403
NCBI Accession #	NP_066963
NCBI GenBank Nucleotide #	NP_066963.2
UniProt Accession #	O15550
Molecular Weight	Observed Molecular Weight: (Observed)154kD. Predicted Molecular Weight: (Calculated)154kDa.
NCBI Official Full Name	lysine-specific demethylase 6A isoform 3
NCBI Official Synonym Full Names	lysine demethylase 6A
NCBI Official Symbol	KDM6A

NCBI Official Synonym Symbols	UTX; KABUK2; bA386N14.2
NCBI Protein Information	lysine-specific demethylase 6A
UniProt Protein Name	Lysine-specific demethylase 6A
UniProt Gene Name	KDM6A
UniProt Synonym Gene Names	UTX
UniProt Entry Name	KDM6A_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/kdm6a-utx-antibody-immunocytochemistry-immunofluorescence-elisa/328916>