

Datasheet for ABIN7601589
anti-KDM6A antibody (AA 391-704)



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Overview

Quantity:	100 µg
Target:	KDM6A
Binding Specificity:	AA 391-704
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM6A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-UTX/KDM6A Antibody Picoband®
Immunogen:	E.coli-derived human UTX/KDM6A recombinant protein (Position: A391-A704).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-UTX/KDM6A Antibody Picoband® (ABIN7601589). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	KDM6A
Alternative Name:	KDM6A (KDM6A Products)
Background:	Synonyms: Hepatic leukemia factor, HLF Tissue Specificity: Highly expressed in liver, lower levels in lung and kidney. Background: Lysine-specific demethylase 6A also known as Ubiquitously transcribed tetratricopeptide repeat, X chromosome (UTX), is a protein which in humans is encoded by the KDM6A gene. This gene is located on the X chromosome and is the corresponding locus to a Y-linked gene which encodes a tetratricopeptide repeat (TPR) protein. The encoded protein of this gene contains a JmjC-domain and catalyzes the demethylation of tri/dimethylated histone H3. Multiple alternatively spliced transcript variants have been found for this gene.
Molecular Weight:	154 kDa
Gene ID:	7403
UniProt:	O15550
Pathways:	Tube Formation , Warburg Effect

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Agger, K., Cloos, P. A. C., Christensen, J., Pasini, D., Rose, S., Rappsilber, J., Issaeva, I., Canaani, E., Salcini, A. E., Helin, K. UTX and JMJD3 are histone H3K27 demethylases involved in HOX gene regulation and development. Nature 449: 731-734, 2007. 2. Chakraborty, A. A., Laukka, T., Myllykoski, M., Ringel, A. E., Booker, M. A., Tolstorukov, M. Y., Meng, Y. J., Meier, S. R., Jennings, R. B., Creech, A. L., Herbert, Z. T., McBrayer, S. K., Olenchok, B. A., Jaffe, J. D., Haigis, M. C., Beroukhim, R., Signoretti, S., Koivunen, P., Kaelin, W. G., Jr. Histone demethylase KDM6A ly senses oxygen to control chromatin and cell fate. Science 363: 1217-1222, 2019. 3. Faralli, H., Wang, C., Nakka, K., Benyoucef, A., Sebastian, S., Zhuang, L., Chu, A., Palii, C. G., Liu, C., Camellato, B., Brand, M., Ge, K., Dilworth, F. J. UTX demethylase activity is required for satellite cell-mediated muscle regeneration. J. Clin. Invest. 126: 1555-1565, 2016.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.