

Datasheet for ABIN2781141
anti-KDM6A antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	KDM6A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Zebrafish (Danio rerio), Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM6A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human UTX
Sequence:	MKSCGVSLAT AAAAAAAGFD EEKKMAAGKA SGESEEASPS LTAEEREALG
Predicted Reactivity:	Cow: 93%, Dog: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against UTX. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	KDM6A
Alternative Name:	UTX (KDM6A Products)
Background:	UTX is a histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby

Target Details

playing a central role in histone code. It demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27'. UTX plays a central role in regulation of posterior development, by regulating HOX gene expression. 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.

Alias Symbols: DKFZp686A03225, MGC141941, UTX, bA386N14.2, KABUK2

Protein Interaction Partner: KMT2D, WDR5, ASH2L, RBBP5, SMAD9, HIST2H3C, SRF, SMARCA4, GATA4, NKX2-5, TBX5, UBC, HIST1H3A, WDR82, PAXIP1, NCOA6, TLE1, PROSER1, KMT2C, N4BP2, PPP6R3, ZNF281, HIST3H3,

Protein Size: 1401

Molecular Weight: 154 kDa

Gene ID: 7403

NCBI Accession: [NM_021140](#), [NP_066963](#)

UniProt: [O15550](#)

Pathways: [Tube Formation](#), [Warburg Effect](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 1401 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

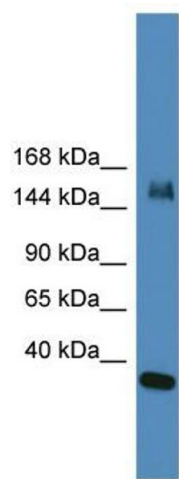
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-UTX Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Hela cell lysate