

Datasheet for ABIN2781142
anti-KDM6A antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	KDM6A
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Zebrafish (Danio rerio), Guinea Pig, Horse, Rabbit
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 middle region of human UTX
Sequence:	KTYIVHCQDC ARKTSGNLEN FVVLEQYKME DLMQVYDQFT LAPPLPSASS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against UTX. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KDM6A
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Target Details

Alternative Name:	UTX (KDM6A Products)
Background:	UTX is a histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby 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, bA386N14.2, UTX, 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

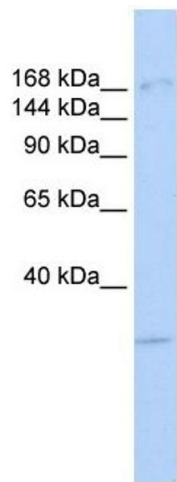
Handling

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

Handling Advice:	Avoid repeated freeze-thaw cycles.
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: 1:312500 Positive Control: MCF7 cell lysate KDM6A is strongly supported by BioGPS gene expression data to be expressed in Human MCF7 cells