

Datasheet for ABIN7158716
anti-KDM6A antibody (AA 620-749)



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1 Image

Overview

Quantity:	100 µg
Target:	KDM6A
Binding Specificity:	AA 620-749
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM6A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Lysine-specific demethylase 6A protein (620-749AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KDM6A
Alternative Name:	KDM6A (KDM6A Products)
Background:	Background: Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17851529, PubMed:17713478,

Target Details

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).

Aliases: bA386N14.2 (ubiquitously transcribed X chromosome tetratricopeptide repeat protein (UTX) antibody, bA386N14.2 antibody, bA386N14.2 ubiquitously transcribed X chromosome tetratricopeptide repeat protein UTX antibody, DKFZp686A03225 antibody, Histone demethylase UTX antibody, KABUK2 antibody, Kdm6a antibody, KDM6A_HUMAN antibody, Lysine (K) specific demethylase 6A antibody, Lysine K specific demethylase 6A antibody, Lysine specific demethylase 6A ubiquitously transcribed tetratricopeptide repeat gene X chromosome antibody, Lysine-specific demethylase 6A antibody, MGC141941 antibody, Ubiquitously transcribed tetratricopeptide repeat X chromosome antibody, Ubiquitously transcribed tetratricopeptide repeat protein X linked antibody, Ubiquitously transcribed TPR gene on the X chromosome antibody, Ubiquitously transcribed TPR protein on the X chromosome antibody, Ubiquitously transcribed X chromosome tetratricopeptide repeat protein antibody, Ubiquitously-transcribed X chromosome tetratricopeptide repeat protein antibody, UTX antibody

UniProt: [O15550](#)

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

Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

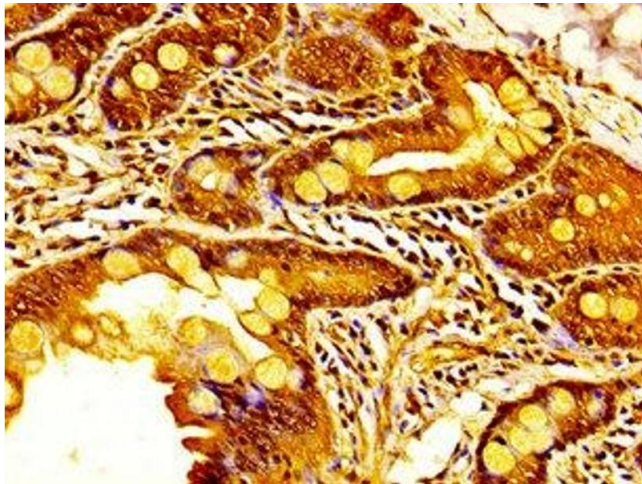
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. IHC image of ABIN7158716 diluted at 1:400 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.