

UTX antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11560**Specification**

UTX antibody - middle region - Product Information

Application	WB
Primary Accession	O15550
Other Accession	NM_021140 , NP_066963
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog
Predicted	Human, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	154kDa KDa

UTX antibody - middle region - Additional Information**Gene ID** 7403**Alias Symbol** DKFZp686A03225, MGC141941, bA386N14.2, UTX, KABUK2**Other Names**

Lysine-specific demethylase 6A, 1.14.11.-, Histone demethylase UTX, Ubiquitously-transcribed TPR protein on the X chromosome, Ubiquitously-transcribed X chromosome tetratricopeptide repeat protein, KDM6A, UTX

Format

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

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-UTX antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

UTX antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

UTX antibody - middle region - Protein Information**Name** KDM6A**Synonyms** UTX**Function**

Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17713478, PubMed:<a href="http://www.uniprot.org/citations/17761849"

target="_blank">17761849, PubMed:17851529). Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27' (PubMed:17713478, PubMed:17761849, PubMed:17851529). 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).

Cellular Location

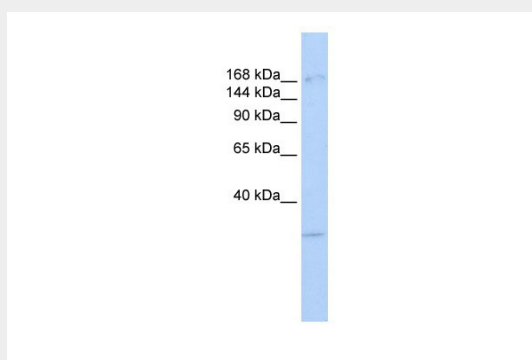
Nucleus.

UTX antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UTX antibody - middle region - Images



WB Suggested Anti-UTX Antibody Titration: 0.2-1 µg/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

UTX antibody - middle region - References

Hong,S., (2007) Proc. Natl. Acad. Sci. U.S.A. 104 (47), 18439-18444 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.