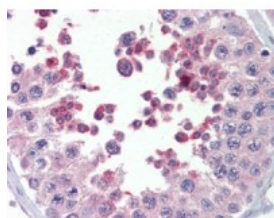




## MLL4 Antibody

CATALOG NUMBER: 45-891



Immunohistochemistry (5ug/ml) staining of  
paraffin embedded Human Testis.  
Steamed antigen retrieval with citrate  
buffer pH 6, AP-staining.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, IHC-P
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:128000. Western Blot: Preliminary experiments gave no signal but low background in Human Heart lysates at up to 1ug/ml. However this used our routine western blotting protocol which we would not expect to reliably detect proteins as large as the predicted size Immunohistochemistry: In paraffin embedded Human Testis shows cytoplasm staining of spermatids. Recommended concentration, 5-10ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1313 - Human Testis Tissue Lysate 2) Cat. No. 10-701 - Human Testis Tissue Slide
<b>IMMUNOGEN:</b>	MLL4 antibody was raised against a 13 amino acid synthetic peptide near the C-Terminus of MLL4.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	MLL4 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	MLL4 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	MLL4, myeloid/lymphoid or mixed-lineage leukemia 4, HRX2, MLL2, KIAA0304, KIAA0304 gene product, MLL4, TRX2, WBP7
<b>ACCESSION NO.:</b>	NP_055542

**PROTEIN GI NO.:** 7662046

**OFFICIAL SYMBOL:** MLL4

**GENE ID:** 9757

#### Background

**REFERENCES:** 1) Huntsman DG, Chin SF, Muleris M, Batley SJ, Collins VP, Wiedemann LM, Aparicio S, Caldas C. MLL2, the second human homolog of the Drosophila trithorax gene, maps to 19q13.1 and is amplified in solid tumor cell lines. Oncogene. 1999 Dec 23;18(56):7975-84.

**FOR RESEARCH USE ONLY**

December 13, 2016