

# MLL2 Antibody (N-Term)

Peptide-affinity purified goat antibody Catalog # AF2296a

## Specification

# MLL2 Antibody (N-Term) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Concentration Isotype Calculated MW IHC <u>O14686</u> <u>NP\_003473.3, 8085</u> Human Goat Polyclonal 0.5 mg/ml IgG 593389

# MLL2 Antibody (N-Term) - Additional Information

### Gene ID 8085

**Other Names** 

Histone-lysine N-methyltransferase 2D, Lysine N-methyltransferase 2D, 2.1.1.43, ALL1-related protein, Myeloid/lymphoid or mixed-lineage leukemia protein 2, KMT2D, ALR, MLL2, MLL4

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MLL2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

# MLL2 Antibody (N-Term) - Protein Information

Name KMT2D

Synonyms ALR, MLL2, MLL4

### Function

Histone methyltransferase that catalyzes methyl group transfer from S-adenosyl-L-methionine to the epsilon-amino group of 'Lys-4' of histone H3 (H3K4) (PubMed:<a

href="http://www.uniprot.org/citations/25561738" target="\_blank">25561738</a>). Part of chromatin remodeling machinery predominantly forms H3K4me1 methylation marks at active chromatin sites where transcription and DNA repair take place (PubMed:<a



href="http://www.uniprot.org/citations/17500065" target="\_blank">17500065</a>, PubMed:<a href="http://www.uniprot.org/citations/25561738" target="\_blank">25561738</a>). Acts as a coactivator for estrogen receptor by being recruited by ESR1, thereby activating transcription (PubMed:<a href="http://www.uniprot.org/citations/16603732" target="\_blank">16603732</a>).

**Cellular Location** Nucleus.

#### Tissue Location

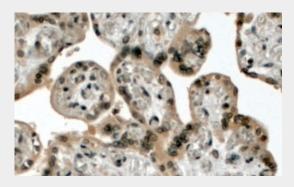
Expressed in most adult tissues, including a variety of hematoipoietic cells, with the exception of the liver

### MLL2 Antibody (N-Term) - Protocols

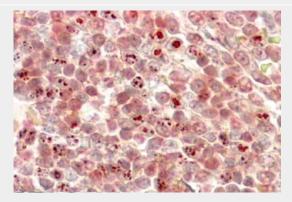
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

#### MLL2 Antibody (N-Term) - Images



AF2296a (4  $\mu$ g/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



AF2296a (3.8 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with



citrate buffer pH 6, HRP-staining.

# MLL2 Antibody (N-Term) - Background

The immunizing peptide was designed from NP\_003473.1. Since then the sequence has changed in the databases and currently differs at two locations in NP\_003473.3.

# MLL2 Antibody (N-Term) - References

Structure and expression pattern of human ALR, a novel gene with strong homology to ALL-1 involved in acute leukemia and to Drosophila trithorax. Prasad R, Zhadanov AB, Sedkov Y, Bullrich F, Druck T, Rallapalli R, Yano T, Alder H, Croce CM, Huebner K, Mazo A, Canaani E. Oncogene. 1997 Jul 31;15(5):549-60. PMID: 9247308