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KMT2D / MLL2 Antibody (N-Terminus)

Goat Polyclonal Antibody

Catalog # ALS15352

Specification

KMT2D / MLL2 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	O14686
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**593kDa KDa**

KMT2D / MLL2 Antibody (N-Terminus) - 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

Target/Specificity
Human MLL2. 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.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
KMT2D / MLL2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

KMT2D / MLL2 Antibody (N-Terminus) - 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:25561738). Part of chromatin remodeling machinery predominantly forms H3K4me1 methylation marks at active chromatin sites where transcription and DNA repair take place (PubMed:25561738, PubMed:17500065). Acts as a coactivator for estrogen receptor by being recruited by ESR1, thereby activating transcription (PubMed:16603732).

Cellular Location
Nucleus.

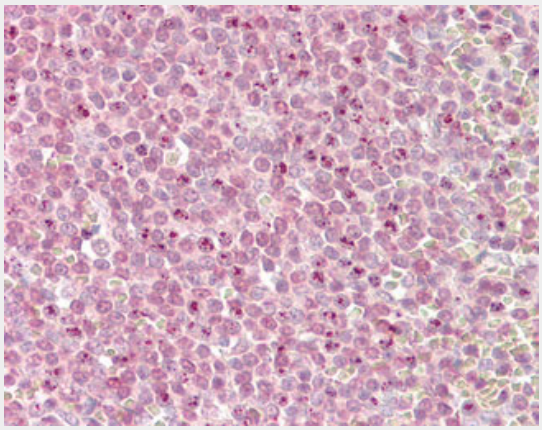
Tissue Location
Expressed in most adult tissues, including a variety of hematoipoietic cells, with the exception of the liver

KMT2D / MLL2 Antibody (N-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KMT2D / MLL2 Antibody (N-Terminus) - Images



Anti-MLL2 antibody IHC of human spleen.

KMT2D / MLL2 Antibody (N-Terminus) - Background

Histone methyltransferase. Methylates 'Lys-4' of histone H3 (H3K4me). H3K4me represents a specific tag for epigenetic transcriptional activation. Acts as a coactivator for estrogen receptor by being recruited by ESR1, thereby activating transcription.

KMT2D / MLL2 Antibody (N-Terminus) - References

Prasad R.,et al.Oncogene 15:549-560(1997).
Scherer S.E.,et al.Nature 440:346-351(2006).
Goo Y.-H.,et al.Mol. Cell. Biol. 23:140-149(2003).
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