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Anti-KMT2D / MLL2 Antibody (clone 2E1)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17993

Product Information

Application	WB, IHC-P, E
Primary Accession	O14686
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Names	2E1
Calculated MW	593389
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	8085
Alias Symbol	KMT2D
Other Names	KMT2D, AAD10, ALL1-related protein, KABUK1, KMS, Lysine N-methyltransferase 2D, MLL2, Kabuki make-up syndrome, ALR, CAGL114, KMT2B, Lysine N-methyltransferase 2B, TNRC21
Target/Specificity	Human MLL2
Reconstitution & Storage	Protein A purified
Precautions	Anti-KMT2D / MLL2 Antibody (clone 2E1) is for research use only and not for use in diagnostic or therapeutic procedures.

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:17500065, PubMed:25561738). 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