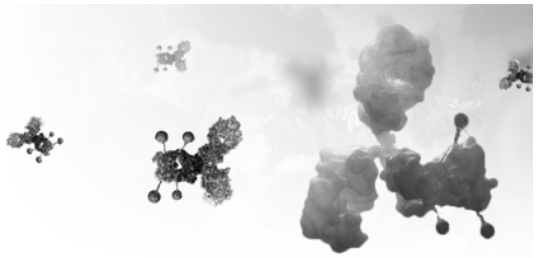

Rabbit Anti-Human KMT2D monoclonal antibody, clone 0I24M28 (CABT-L1445)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Cat, Mouse and Sheep.
Target	KMT2D
Immunogen	Peptides corresponding to Human KMT2D (aa 2-15, 1071-1082)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	0I24M28
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	ICC, IF
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.2
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

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Introduction	KMT2D is a histone methyltransferase that methylates Lys-4 of histone H3 (H3K4me). H3K4me represents a specific tag for epigenetic transcriptional activation. KMT2D acts as a coactivator for estrogen receptors by being recruited by ESR1 and activating transcription. KMT2D is involved in chromatin organization, chormatin silencing, oocyte growth, oogenesis, and a positive regulation of cell proliferation. Mutations in the KMT2D gene cause Kabuki syndrome (KABUK1) which results in congential mental retardation syndrome.
Keywords	KMT2D;lysine (K)-specific methyltransferase 2D;ALR;KMS;MLL2;MLL4;AAD10;KABUK1;TNRC21;CAGL114

GENE INFORMATION

Entrez Gene ID	8085
UniProt ID	O14686

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