SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-KMT3A/FITC Conjugated antibody

Catalog Number: SL20329R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-KMT3A/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human KMT3A
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	ICC/IF=1:50-200 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep)
Background:	background: Huntington's disease (HD), a neurodegenerative disorder characterized by loss of striatal neurons, is caused by an expansion of a polyglutamine tract in the HD protein huntingtin. This gene encodes a protein belonging to a class of huntingtin interacting proteins characterized by WW motifs. This protein is a histone methyltransferase that is specific for lysine-36 of histone H3, and methylation of this residue is associated with active chromatin. This protein also contains a novel transcriptional activation domain and has been found associated with hyperphosphorylated RNA polymerase II. [provided by RefSeq, Aug 2008] **Function:** Histone methyltransferase that methylates 'Lys-36' of histone H3. H3 'Lys-36' methylation represents a specific tag for epigenetic transcriptional activation. Probably plays a role in chromatin structure modulation during elongation via its interaction with hyperphosphorylated POLR2A. Binds DNA at promoters. May also act as a transcription activator that binds to promoters.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Binds to the promoters of adenovirus 12 E1A gene in case of infection, possibly leading to regulate its expression. **Subcellular Location:** Nucleus. Chromosome. **Tissue Specificity:** Ubiquitously expressed. **Post-translational modifications:** May be automethylated. **Similarity:** Belongs to the histone-lysine methyltransferase family. SET2 subfamily. Contains 1 AWS domain. Contains 1 post-SET domain. Contains 1 SET domain. Contains 1 WW domain. **Database links:** **Entrez Gene:** 29072 Human Omim: 612778 Human **SwissProt:** Q9BYW2 Human **Unigene:** 517941 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.