SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-ASH1L/HRP Conjugated antibody

Catalog Number: SL9671R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-ASH1L/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human ASH1L
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:	IHC-P=1:100-500 IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Chicken,Dog,Pig,Cow,Rabbit)
Background:	background: ASH1L is a 2,969 amino acid protein encoded by the human gene ASH1L. ASH1L belongs to the histone-lysine methyltransferase family (SET2 subfamily) and contains three AT hook DNA-binding domains, one AWS domain, one BAH domain, one bromodomain, one PHD-type zinc finger, one post-SET domain and one SET domain. It is a widely expressed nuclear protein with highest expression found in brain, heart and kidney. ASH1L is a histone methyltransferase and is believed to methylate 'Lys-4' of Histone H3, which is a specific tag for epigenetic transcriptional activation. **Function:** Histone methyltransferase. Probably methylates 'Lys-4' of histone H3, a specific tag for epigenetic transcriptional activation. **Subcellular Location:** Nucleus. Cell junction, tight junction. Chromosome (Probable). Note=The relevance of tight junction localization is however unclear. **Tissue Specificity:** Widely expressed, with highest level in brain, heart and

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	kidney. **Similarity:** Belongs to the histone-lysine methyltransferase family. SET2 subfamily. Contains 3 A.T hook DNA-binding domains. Contains 1 AWS domain. Contains 1 BAH domain. Contains 1 bromo domain. Contains 1 PHD-type zinc finger. Contains 1 post-SET domain. Contains 1 SET domain. **Database links:** **Entrez Gene:** 55870 Human Omim: 607999 Human **SwissProt:** Q9NR48 Human **Unigene:** 491060 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.