

## Rabbit SUV39H1 Polyclonal Antibody | anti-SUV39H1 antibody

SUV39H1 antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                             | APPLICATIONS |
|-----------|--------|--------------------------------------------------------|--------------|
| AAA197371 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat | Western Blot |

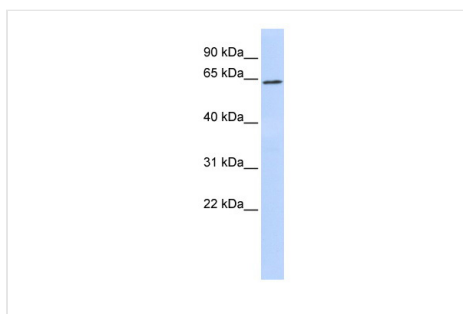
### PRODUCT SYNONYMS

SUV39H1; Polyclonal Antibody; SUV39H1 antibody - N-terminal region; anti-SUV39H1 antibody

### PRODUCT SPECIFICATIONS

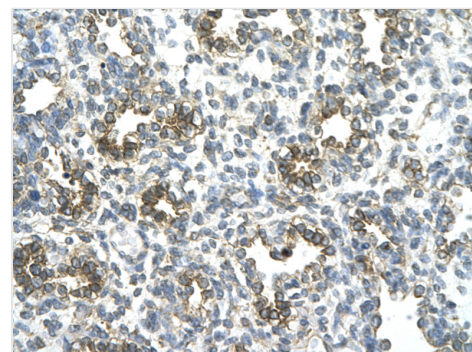
|                                                   |                                                                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                |
| Reactivity                                        | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat                                                                                                |
| Clonality                                         | Polyclonal                                                                                                                                            |
| Purity/Purification                               | Affinity Purified                                                                                                                                     |
| Form/Format                                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                          | Synthetic peptide with the following region: RH LDP SLANYLV QKAKQRRALR RWEQELNAKR SHLGRITVEN EVDLDGPP                                                 |
| Sequence Length                                   | 412                                                                                                                                                   |
| Applicable Applications for anti-SUV39H1 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                          | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%                                                |
| Immunogen                                         | The immunogen is a synthetic peptide directed towards the N terminal region of human SUV39H1                                                          |
| Preparation and Storage                           | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-SUV39H1 Antibody Titration: 0.2-1 ug/ml  
 ELISA Titer: 1:312500  
 Positive Control: 721\_B cell lysate  
 SUV39H1 is supported by BioGPS gene expression data to be expressed in 721\_B



#### IHC (Immunohistochemistry)

Rabbit Anti-SUV39H1 antibody  
 Paraffin Embedded Tissue: Human Lung cell  
 Cellular Data: alveolar cell of renal tubule  
 Antibody Concentration: 4.0-8.0 ug/ml  
 Magnification: 400X

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SUV39H1 antibody | <p>This is a rabbit polyclonal antibody against SUV39H1. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: SUV39H1, a human homolog of the Drosophila position effect variegation modifier Su(var)3-9 and of the S. pombe silencing factor clr4, encodes a heterochromatic protein that transiently accumulates at centromeric positions during mitosis. This gene is a member of the suppressor of variegation 3-9 homolog family and encodes a protein with a chromodomain and a C-terminal SET domain. This nuclear protein moves to the centromeres during mitosis and functions as a histone methyltransferase, methylating Lys-9 of histone H3. Overall, it plays a vital role in heterochromatin organization, chromosome segregation, and mitotic progression. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> |
| Product Categories/Family for anti-SUV39H1 antibody   | <p>Polyclonal; Transcription Factor; Cell Cycle Proteins; Transcription Regulation; Chromatin &amp; Nuclear Signaling; Epigenetics; Meiosis/Mitosis/Cell Cycle; Methylation; Transcription Factors; Cell Differentiation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 4507321                                              |
| NCBI GeneID                      | 6839                                                 |
| NCBI Accession #                 | NP_003164                                            |
| NCBI GenBank Nucleotide #        | NM_003173                                            |
| UniProt Accession #              | O43463                                               |
| Molecular Weight                 | 48kDa                                                |
| NCBI Official Full Name          | histone-lysine N-methyltransferase SUV39H1 isoform 2 |
| NCBI Official Synonym Full Names | suppressor of variegation 3-9 homolog 1              |
| NCBI Official Symbol             | SUV39H1                                              |
| NCBI Official Synonym Symbols    | MG44; KMT1A; SUV39H; H3-K9-HMTase 1                  |
| NCBI Protein Information         | histone-lysine N-methyltransferase SUV39H1           |
| UniProt Protein Name             | Histone-lysine N-methyltransferase SUV39H1           |
| UniProt Gene Name                | SUV39H1                                              |
| UniProt Synonym Gene Names       | KMT1A; SUV39H; H3-K9-HMTase 1                        |
| UniProt Entry Name               | SUV91_HUMAN                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.