

## Rabbit DOT1L Polyclonal Antibody | anti-DOT1L antibody

DOT1L Polyclonal Antibody

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA280542</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

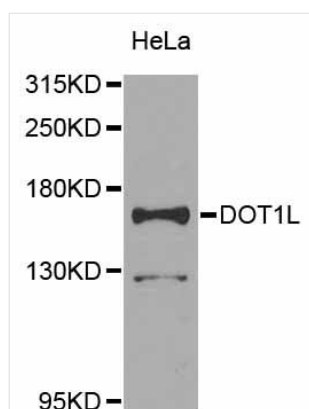
### PRODUCT SYNONYMS

DOT1L; Polyclonal Antibody; DOT1L Polyclonal Antibody; DOT1;KMT4; anti-DOT1L antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                     |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                              |
| Reactivity                                      | Human, Mouse, Rat                                                                                                   |
| Clonality                                       | Polyclonal                                                                                                          |
| Isotype                                         | IgG                                                                                                                 |
| Purity/Purification                             | Affinity Purification                                                                                               |
| Sequence Length                                 | 1,537                                                                                                               |
| Applicable Applications for anti-DOT1L antibody | WB (Western Blot)                                                                                                   |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 250-500 of human DOT1L (NP_115871.1). |
| Observed MW                                     | 160kDa                                                                                                              |
| Calculated MW                                   | 164kDa/184kDa                                                                                                       |
| Buffer                                          | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                   |
| Preparation and Storage                         | Store at -20°C. Avoid freeze / thaw cycles.                                                                         |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using DOT1L antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DOT1L antibody | The protein encoded by this gene is a histone methyltransferase that methylates lysine-79 of histone H3. It is inactive against free core histones, but shows significant histone methyltransferase activity against nucleosomes. |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 22094135                                                  |
| NCBI GeneID                      | 84444                                                     |
| NCBI Accession #                 | NP_115871.1                                               |
| NCBI GenBank Nucleotide #        | NM_032482.2                                               |
| UniProt Accession #              | Q8TEK3; O60379; Q96JL1                                    |
| NCBI Official Full Name          | histone-lysine N-methyltransferase, H3 lysine-79 specific |
| NCBI Official Synonym Full Names | DOT1-like histone H3K79 methyltransferase                 |
| NCBI Official Symbol             | DOT1L                                                     |
| NCBI Official Synonym Symbols    | DOT1; KMT4                                                |
| NCBI Protein Information         | histone-lysine N-methyltransferase, H3 lysine-79 specific |
| UniProt Protein Name             | Histone-lysine N-methyltransferase, H3 lysine-79 specific |
| UniProt Gene Name                | DOT1L                                                     |
| UniProt Synonym Gene Names       | KIAA1814; KMT4; H3-K79-HMTase                             |
| UniProt Entry Name               | DOT1L_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dot1l-antibody-western-blot-elisa/280542>