

## Rabbit EZH1 Polyclonal Antibody | anti-EZH1 antibody

EZH1 Antibody

|                               |                       |                                        |                                                                               |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA303690</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

EZH1; Polyclonal Antibody; EZH1 Antibody; KMT6B; anti-EZH1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                          |
| Specificity                                    | The antibody detects endogenous level of total EZH1 protein.                                                                        |
| Purity/Purification                            | Antibodies were purified by affinity purification using immunogen.                                                                  |
| Form/Format                                    | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                           |
| Sequence Length                                | 747                                                                                                                                 |
| Applicable Applications for anti-EZH1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                              |
| Immunogen Type                                 | Recombinant Protein                                                                                                                 |
| Immunogen Description                          | Recombinant protein of human EZH1.                                                                                                  |
| Target Name                                    | EZH1                                                                                                                                |
| Preparation and Storage                        | Store at -20 degree C                                                                                                               |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence analysis of A549 cell using EZH1 antibody. Blue: DAPI for nuclear staining.


**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using EZH1 antibody.

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EZH1 antibody | EZH1 is a component of a noncanonical Polycomb repressive complex-2 (PRC2) that mediates methylation of histone H3 (see MIM 602812) lys27 (H3K27) and functions in the maintenance of embryonic stem cell pluripotency and plasticity (Shen et al., 2008) |
| Product Categories/Family for anti-EZH1 antibody   | Total protein Ab                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 19923202                                                               |
| NCBI GeneID                      | 2145                                                                   |
| NCBI Accession #                 | NP_001982.2                                                            |
| NCBI GenBank Nucleotide #        | NM_001991.3                                                            |
| UniProt Accession #              | Q92800; O43287; Q14459; Q53XP3; A6NCH6; B4DIJ1; B4DIZ7; B4DSS2; B4E3R7 |
| Molecular Weight                 | 68,961 Da                                                              |
| NCBI Official Full Name          | histone-lysine N-methyltransferase EZH1                                |
| NCBI Official Synonym Full Names | enhancer of zeste 1 polycomb repressive complex 2 subunit              |
| NCBI Official Symbol             | EZH1                                                                   |
| NCBI Official Synonym Symbols    | KMT6B                                                                  |
| NCBI Protein Information         | histone-lysine N-methyltransferase EZH1                                |
| UniProt Protein Name             | Histone-lysine N-methyltransferase EZH1                                |
| UniProt Gene Name                | <b>EZH1</b>                                                            |
| UniProt Synonym Gene Names       | KIAA0388                                                               |
| UniProt Entry Name               | EZH1_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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