

# Rabbit anti-Human, Mouse SMYD4 Polyclonal Antibody | anti-SMYD4 antibody

Anti-SMYD4 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                |
|-----------|--------|--------------|-----------------------------------------------------------------------------|
| AAA262093 | Rabbit | Human, Mouse | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

## PRODUCT SYNONYMS

SMYD4; Polyclonal Antibody; Anti-SMYD4 Antibody; KIAA1936; SET and MYND domain-containing protein 4; anti-SMYD4 antibody

## PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                         |
| Reactivity                                      | Human, Mouse                                                                                                   |
| Clonality                                       | Polyclonal                                                                                                     |
| Specificity                                     | Recognizes endogenous levels of SMYD4 protein.                                                                 |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                                |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.      |
| Sequence Length                                 | 804                                                                                                            |
| Applicable Applications for anti-SMYD4 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)              |
| Immunogen                                       | Recombinant full length protein of human SMYD4                                                                 |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

## IMAGES



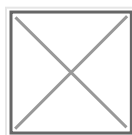
### IF (Immunofluorescence)

Immunofluorescent analysis of SMYD4 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



### IHC (Immunohistochemistry)

Immunohistochemical analysis of SMYD4 staining in human stomach cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### WB (Western Blot)

Western blot analysis of SMYD4 expression in mouse brain (A), mouse ovary (B), rat kidney (C) whole cell lysates.

ADDITIONAL INFORMATION

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| Related Product Information for anti-SMYD4 antibody | Rabbit polyclonal antibody to SMYD4 |
|-----------------------------------------------------|-------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 156616308                                |
| NCBI GeneID                      | 114826                                   |
| NCBI Accession #                 | NP_443160.2                              |
| NCBI GenBank Nucleotide #        | NM_052928.2                              |
| UniProt Accession #              | Q8IYR2; Q8N1P2; Q8NAT0; Q96LV4; Q96PV2   |
| Molecular Weight                 | 89,225 Da                                |
| NCBI Official Full Name          | SET and MYND domain-containing protein 4 |
| NCBI Official Synonym Full Names | SET and MYND domain containing 4         |
| NCBI Official Symbol             | SMYD4                                    |
| NCBI Official Synonym Symbols    | ZMYND21                                  |
| NCBI Protein Information         | SET and MYND domain-containing protein 4 |
| UniProt Protein Name             | SET and MYND domain-containing protein 4 |
| UniProt Gene Name                | <b>SMYD4</b>                             |
| UniProt Synonym Gene Names       | KIAA1936                                 |
| UniProt Entry Name               | SMYD4_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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