

Datasheet for ABIN5010767

**anti-SMYD3 antibody (AA 101-200) (AbBy Fluor® 680)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | SMYD3                                                                                                                          |
| Binding Specificity: | AA 101-200                                                                                                                     |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This SMYD3 antibody is conjugated to AbBy Fluor® 680                                                                           |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human SMYD3 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Human                                                     |
| Predicted Reactivity: | Mouse,Rat,Cow,Sheep,Horse,Rabbit                          |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | SMYD3                                    |
| Alternative Name: | SMYD3 ( <a href="#">SMYD3 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: SET and MYND domain containing 3, SET and MYND domain containing protein 3, SMYD 3, SMYD3 protein, Zinc finger MYND domain containing 1, Zinc finger MYND domain containing protein 1, Zinc finger protein subfamily 3A MYND domain containing 1, ZMYND 1, ZMYND1, ZNFN3A1, SMYD3_HUMAN.</p> <p>Background: SMYD3 is a gene that is over-expressed in the majority of colorectal carcinomas and hepatocellular carcinomas. SMYD3 forms a complex with RNA polymerase II through an interaction with the RNA helicase HELZ and transactivates a set of genes that included oncogenes, homeobox genes and genes associated with cell-cycle regulation. SMYD3 binds to a motif, 5'-CCCTCC-3', present in the promoter region of downstream genes such as Nkx2.8. The SET domain of SMYD3 shows histone H3-lysine 4 (H3-K4)-specific methyltransferase activity, which is enhanced in the presence of the heat-shock protein HSP90A.</p> |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|          |       |
|----------|-------|
| Gene ID: | 64754 |
|----------|-------|

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |