



[Go to Product page](#)

Datasheet for ABIN3044548

## anti-SMYD3 antibody (C-Term)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	SMYD3
Binding Specificity:	AA 388-428, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Purpose:	Rabbit IgG polyclonal antibody for Histone-lysine N-methyltransferase SMYD3(SMYD3) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human SMYD3 (388-428aa QAMKNLRLAFDIMRVTHGREHSLIEDLILLLEECDANIRAS), different from the related mouse sequence by one amino acid.
Sequence:	QAMKNLRLAF DIMRVTHGRE HSLIEDLILL LEECDANIRA S
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Histone-lysine N-methyltransferase SMYD3(SMYD3) detection. Tested with WB, IHC-P in Human. Gene Name: SET and MYND domain containing 3 Protein Name: Histone-lysine N-methyltransferase SMYD3

## Product Details

---

Purification: Immunogen affinity purified.

## Target Details

---

Target: SMYD3

Alternative Name: SMYD3 ([SMYD3 Products](#))

Background: SET and MYND domain-containing protein 3 is a protein that in humans is encoded by the SMYD3 gene. The International Radiation Hybrid Mapping Consortium mapped the SMYD3 gene to chromosome 1. This gene encodes a histone methyltransferase which functions in RNA polymerase II complexes by an interaction with a specific RNA helicase. Multiple transcript variants encoding different isoforms have been found for this gene.

Synonyms: bA74P14.1 (novel protein) antibody|bA74P14.1 antibody|FLJ21080 antibody|histone lysine N methyltransferase SMYD3 antibody|KMT3E antibody|MGC104324 antibody|SET and MYND domain containing 3 antibody|SET and MYND domain containing protein 3 antibody|SET and MYND domain-containing protein 3 antibody|SMYD 3 antibody|Smyd3 antibody|SMYD3 protein antibody|SMYD3\_HUMAN antibody|Zinc finger MYND domain containing 1 antibody|Zinc finger MYND domain containing protein 1 antibody|Zinc finger MYND domain-containing protein 1 antibody|Zinc finger protein subfamily 3A MYND domain containing 1 antibody|Zinc finger protein, subfamily 3A (MYND domain containing), 1 antibody|ZMYND 1 antibody|ZMYND1 antibody|ZNFN3A1 antibody

Gene ID: 64754

UniProt: [Q9H7B4](#)

## Application Details

---

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

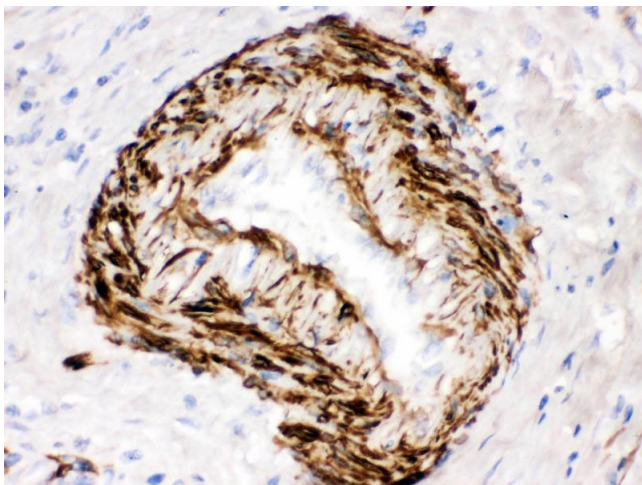
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

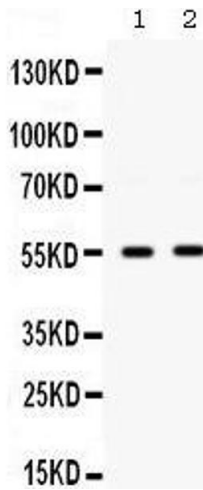
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** SMYD3 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- SMYD3 Antigen Affinity purified polyclonal antibody at 1 µg/mL. The immunohistochemical section was developed using SABC method



### Western Blotting

**Image 2.** Western blot analysis of SMYD3 expression in HELA whole cell lysates (lane 1) and COLO320 whole cell lysates (lane 2). SMYD3 at 55KD was detected using rabbit anti- SMYD3 Antigen Affinity purified polyclonal antibody at 0.5  $\mu\text{g/mL}$ . The blot was developed using chemiluminescence (ECL) method