

Datasheet for ABIN2784277
anti-SMYD3 antibody (N-Term)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SMYD3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SMYD3
Sequence:	PRYPDSVRL LGRVVFKLMD GAPSESEKLY SFYDLESNIN KLTEDKKEGL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SMYD3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SMYD3
Alternative Name:	SMYD3 (SMYD3 Products)
Background:	SMYD3 is a member of an RNA polymerase complex. Within the RNA polymerase complex, it

Target Details

acts as a histone methyltransferase that plays a role in transcriptional regulation. SMYD3 is a histone methyltransferase that plays a role in transcriptional regulation as a member of an RNA polymerase complex. [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: FLJ21080, MGC104324, ZMYND1, ZNFN3A1, bA74P14.1, KMT3E

Protein Interaction Partner: CDC37, H3F3C, ZNF557, TRIT1, VANGL1, HCVgp1, CYP39A1, NFYB, NDUFAB1, CAMK2B, APP, EED, EZH2, UBC, ESR1, HELZ, PBX2, POLR2K, HSP90AA1, HIST3H3, POLR2A, MEST,

Protein Size: 369

Molecular Weight: 42 kDa

Gene ID: 64754

NCBI Accession: [NM_022743](#), [NP_073580](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 369 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

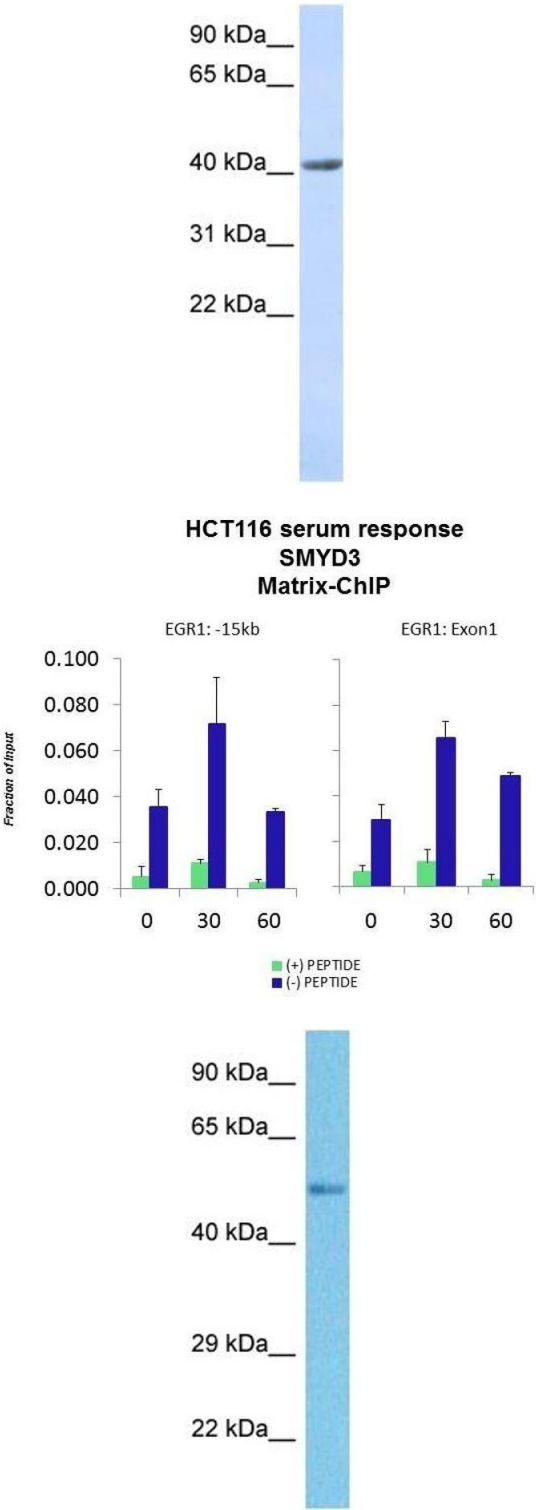
Preservative: Sodium azide

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 freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-SMYD3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Stomach

Chromatin Immunoprecipitation

Image 2. Quiescent human colon carcinoma HCT116 cultures were treated with 10% FBS for three time points (0, 15, 30min) or (0, 30, 60min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.

Western Blotting

Image 3. Host: Rabbit Target Name: SMYD3 Sample Tissue: Human Ovary Tumor Antibody Dilution: 1ug/ml