

Anti-SMYD3 Recombinant Mouse Monoclonal Antibody

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Rev. 1.00

Catalog Number: 730061

Store at 2°C to 8°C (short-term), or –20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Mouse IgG1
Reactivity: Human SMYD3
Predicted Reactivity: Human

Product Description

SMYD3 is a histone methyltransferase that is a component of an RNA polymerase complex. It is involved in epigenetic transcriptional activation by di- and trimethylation of the Lys-4 residue of histone H3 (it does not induce monomethylation). SMYD3 binds DNA containing 5'-CCCTCC-3' or 5'-GAGGGG-3' sequences.

This antibody was developed against a fully folded protein domain, so it does not show good reactivity against denatured proteins, and may not work in western blot applications.

Product Specifications

Immunogen: Folded protein domain corresponding to amino acids 2–428 of human SMYD3
Alternate Names: ZMYND1, ZNFN3A1
Apparent MW: 49.1 kDa
Gene ID: 64754
Protein Accession No.: Q9H7B4
Sequence Identity: Human
Lot: See product label

Product Applications

| Application | Species | Test Material | Concentration |
|---------------------|---------|---------------|---------------|
| Immunoprecipitation | Human | HEK293 | 2 µg per IP |

Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, –20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

For research use only. Not for human or animal therapeutic or diagnostic use.

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





Product Documentation

To obtain a Certificate of Analysis or SDS, visit
www.lifetechnologies.com/support.

Related Products

| Product Name | Quantity | Catalog no. |
|--|----------|-------------|
| iBlot® Dry Blotting System | 1 unit | IB1001 |
| WesternBreeze® Chromogenic Kit Anti-Rabbit | 1 kit | WB7105 |
| WesternBreeze® Chemiluminescent Kit, Anti-Rabbit | 1 kit | WB7106 |
| Goat anti-mouse (H+L), HRP conj. | 1 mg | G21040 |
| Goat anti-mouse (H+L), AP conj. | 1 mg | G21060 |
| Protein A Agarose | 5 mL | 15918-014 |
| Recombinant Protein G Agarose | 5 mL | 15920-010 |
| Goat anti-rabbit (H+L), AP conj. | 1 mg | G21079 |
| Nitrocellulose, 0.2 µm | 20/pack | LC2000 |

Explanation of symbols

| Symbol | Description | Symbol | Description |
|---|---|--|--|
|  | Catalogue Number |  | Batch code |
|  | Research Use Only |  | <i>In vitro</i> diagnostic medical device |
|  | Use by |  | Temperature limitation |
|  | Manufacturer |  | European Community authorised representative |
|  | Without, does not contain |  | With, contains |
|  | Protect from light |  | Consult accompanying documents |
|  | Directs the user to consult instructions for use (IFU), accompanying the product. | | |

Limited Product Warranty

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