

## Anti-SETD7 Recombinant Mouse Monoclonal Antibody

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Rev. 1.00

Catalog Number: 730055

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 SETD7  
**Predicted Reactivity:** Human

### Product Description

SETD7 is a histone methyltransferase that is involved in epigenetic transcriptional activation by methylating lysine residues on histone H3 tails. It plays a role in the transcriptional activation of genes such as collagenase or insulin by recruiting transcription factors to the promoter site. SETD7 is also involved in additional transcription related functions by exhibiting methyltransferase activity toward non-histone substrate proteins that have the [KR]-[STA]-K motif (e.g., p53, TAF10, TAF7).

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 2–366 of human SETD7  
**Alternate Names:** KIAA1717, KMT7, SET7, SET9  
**Apparent MW:** 40.7 kDa  
**Gene ID:** 80854  
**Protein Accession No.:** Q8WTS6  
**Sequence Identity:** Human  
**Lot:** See product label

### Product Applications

Application	Species	Test Material	Concentration
Immunoprecipitation + Mass Spectrometry	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](http://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](http://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

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at [www.lifetechnologies.com/termsandconditions](http://www.lifetechnologies.com/termsandconditions). If you have any questions, please contact Life Technologies at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

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