

Datasheet for ABIN715550

**anti-SETD7 antibody (AA 271-366) (HRP)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                           |
| Target:              | SETD7                                                                                                                                            |
| Binding Specificity: | AA 271-366                                                                                                                                       |
| Reactivity:          | Human                                                                                                                                            |
| Host:                | Rabbit                                                                                                                                           |
| Clonality:           | Polyclonal                                                                                                                                       |
| Conjugate:           | This SETD7 antibody is conjugated to HRP                                                                                                         |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Histone H4 K4 methyltransferase<br>SETD7 |
| Isotype:              | IgG                                                                                          |
| Cross-Reactivity:     | Human                                                                                        |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Pig,Horse                                                                  |
| Purification:         | Purified by Protein A.                                                                       |

## Target Details

|         |       |
|---------|-------|
| Target: | SETD7 |
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## Target Details

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| Alternative Name: | H3-K4-HMTase SETD7 ( <a href="#">SETD7 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Background:       | <p>Synonyms: FLJ21193, H3 K4 HMTase, H3-K4-HMTase SETD7, H4 lysine 4 specic, Histone H3 K4 methyltransferase, Histone H3 lysine 4 specic methyltransferase, Histone H3-K4 methyltransferase SETD7, Histone H4 K4 methyltransferase, Histone lysine N methyltransferase, Histone lysine N methyltransferase H3 lysine 4 specic SET7, Histone-lysine N-methyltransferase SETD7, KIAA1717, KMT7, Lysine methyltransferase, Lysine N-methyltransferase 7, OTTHUMP00000164543, OTTHUMP00000220049, SET 7, SET 7/9, SET 9, SET D7, SET domain containing lysine methyltransferase 7, SET domain containing protein 7, SET domain containing protein 8, SET domain-containing protein 7, SET7, SET7/9, SET9, Setd7, SETD7_HUMAN.</p> <p>Background: Histone methyltransferase that specifically monomethylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in the transcriptional activation of genes such as collagenase or insulin. Recruited by IPF1/PDX-1 to the insulin promoter, leading to activate transcription. Has also methyltransferase activity toward non-histone proteins such as p53/TP53, TAF10, and possibly TAF7 by recognizing and binding the [KR]-[STA]-K in substrate proteins. Monomethylates 'Lys-189' of TAF10, leading to increase the affinity of TAF10 for RNA polymerase II. Monomethylates 'Lys-372' of p53/TP53, stabilizing p53/TP53 and increasing p53/TP53-mediated transcriptional activation. Also able to demethylated 'Lys-372' of p53/TP53 in vitro.</p> |
| Gene ID:          | 80854                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt:          | <a href="#">Q8WTS6</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Application Details

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|--------------------|-----------------------------------------------------|
| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
| 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. |

## Handling

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|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Handling Advice:   | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.               |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |