

Anti-SETD7 Antibody (8B368)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8B368
Purification:	Protein A

Applications

Anti-SETD7 mouse monoclonal antibody at 1:500 dilution.

-Lane A: Hela Whole Cell Lysate.

-Lane B: MCF7 Whole Cell Lysate.

-Lane C: NIH3T3 Whole Cell lysate.

-Lysates/proteins at 30 µg per lane.

Verified Activity:

-Secondary

-Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.

-Developed using the Odyssey technique.

-Performed under reducing conditions.

-Predicted band size:41 kDa.

-Observed band size:53 kDa(We are unsure as to the identity of these extra bands.)

Application: WB

Recommended WB: 1:500-1:1000

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human SETD7 / SET7 / 9 protein (TMPY-01229)

Antigen Species: Human

Synonyms: SET domain containing (lysine methyltransferase) 7;KMT7;SET7;SET9;SET7/9

Research Background

Histone-lysine N-methyltransferase SETD7, also known as SET domain containing (lysine methyltransferase) 7, SET7/9, Histone H3-K4 methyltransferase SETD7, H3-K4-HMTase SETD7, and SETD7, is a member of the histone-lysine methyltransferase family and SET7 subfamily. SETD7 is widely expressed and expressed in pancreatic islets. SETD7 contains three MORN repeats and one SET domain. SETD7 plays a central role in the transcriptional activation of genes such as collagenase or insulin. As a protein lysine methyltransferase (PKMT), SETD7 also has methyltransferase activity toward non-histone proteins such as p53/TP53, TAF1, and possibly TAF7 by recognizing and binding in substrate proteins. The mono-methyltransferase activity of SETD7 is achieved by disrupting the formation at near-attack conformations for the dimethylation reaction. SETD7 is also a novel coactivator of NF-

kappaB and plays a role in inflammation and diabetes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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