

SETD3 Antibody(C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19739B**Specification**

SETD3 Antibody(C-term) - Product Information

Application	WB,E
Primary Accession	Q86TU7
Other Accession	NP_115609.2 , NP_954574.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	67257
Antigen Region	556-585

SETD3 Antibody(C-term) - Additional Information**Gene ID** 84193**Other Names**

Histone-lysine N-methyltransferase setd3, SET domain-containing protein 3, SETD3, C14orf154

Target/Specificity

This SETD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 556-585 amino acids from the C-terminal region of human SETD3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SETD3 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SETD3 Antibody(C-term) - Protein Information**Name** SETD3**Function** Protein-histidine N-methyltransferase that specifically mediates 3-methylhistidine

(tele-methylhistidine) methylation of actin at 'His-73' (PubMed:[30526847](#), PubMed:[30626964](#), PubMed:[30785395](#), PubMed:[31388018](#), PubMed:[31993215](#)). Histidine methylation of actin is required for smooth muscle contraction of the laboring uterus during delivery (PubMed:[30626964](#)). Does not have protein-lysine N- methyltransferase activity and probably only catalyzes histidine methylation of actin (PubMed:[30626964](#), PubMed:[30785395](#), PubMed:[31388018](#)).

Cellular Location

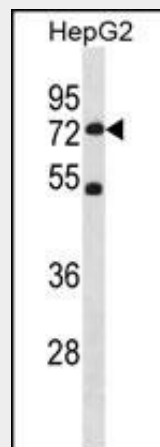
Cytoplasm. Nucleus Note=Localizes mainly in the cytoplasm.

SETD3 Antibody(C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SETD3 Antibody(C-term) - Images



SETD3 Antibody (C-term) (Cat. #AP19739b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the SETD3 antibody detected the SETD3 protein (arrow).

SETD3 Antibody(C-term) - Background

SETD3 contains 1 SET domain. The function of the SETD3 protein remains unknown. There are 3 isoforms produced by alternative splicing.

SETD3 Antibody(C-term) - References

Tao, W.A., et al. Nat. Methods 2(8):591-598(2005)
Tao, W.A., et al. Nat. Methods 2(8):591-598(2005)
Harrington, J.J., et al. Nat. Biotechnol. 19(5):440-445(2001)