

SETD3 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10162**Specification**

SETD3 Antibody - Product Information

Application	WB
Primary Accession	Q86TU7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	67257

SETD3 Antibody - Additional Information**Gene ID** 84193Positive Control
Application & Usage**Other Names**
SET domain containing 3**Western blot: rat Kidney lysate**
Western blot: 1:200**Target/Specificity**
SETD3**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
200 µg (0.5 mg/ml) of antibody in PBS, 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol, pH 7.2**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**
SETD3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**SETD3 Antibody - 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).

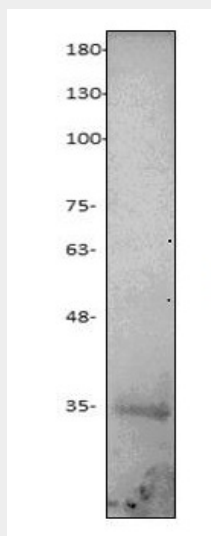
Cellular Location

Cytoplasm. Nucleus Note=Localizes mainly in the cytoplasm.

SETD3 Antibody - 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 - Images

Western blot of Rat kidney lysate with SETD3 antibody

SETD3 Antibody - Background

Histone-lysine N- methyltransferase SETD3 has a function as methylation of Lys36 of histone H3 which represents a specific tag for epigenetic transcriptional activation. It is highly expressed in muscular tissues. SETD3 contains 1 SET domain. The function of the SETD3 protein remains unknown. There are 3 isoforms produced by alternative splicing.