

SETD3 Blocking peptide
Catalog # PBV10080b**Specification**

SETD3 Blocking peptide - Product Information

Primary Accession	Q86TU7
Gene ID	84193
Calculated MW	67257

SETD3 Blocking peptide - Additional Information**Gene ID** 84193**Application & Usage**

The peptide is used for blocking the antibody activity of SETD3. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C

Other Names

Histone-lysine N-methyltransferase setd3, 2.1.1.43, SET domain-containing protein 3, SETD3, C14orf154

Target/Specificity

SETD3

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

SETD3 Blocking peptide is for research use only and not for use in diagnostic or therapeutic procedures.

SETD3 Blocking peptide - 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:<a

[30626964](http://www.uniprot.org/citations/30626964), PubMed: [30785395](http://www.uniprot.org/citations/30785395), PubMed: [31388018](http://www.uniprot.org/citations/31388018), PubMed: [31993215](http://www.uniprot.org/citations/31993215)). Histidine methylation of actin is required for smooth muscle contraction of the laboring uterus during delivery (PubMed: [30626964](http://www.uniprot.org/citations/30626964)). Does not have protein-lysine N- methyltransferase activity and probably only catalyzes histidine methylation of actin (PubMed: [30626964](http://www.uniprot.org/citations/30626964), PubMed: [30785395](http://www.uniprot.org/citations/30785395), PubMed: [31388018](http://www.uniprot.org/citations/31388018)).

Cellular Location

Cytoplasm. Nucleus Note=Localizes mainly in the cytoplasm.

SETD3 Blocking peptide - 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 Blocking peptide - Images