

SETD4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18238a**Specification**

SETD4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9NVD3](#)**SETD4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 54093**Other Names**

SET domain-containing protein 4, 211-, SETD4, C21orf18, C21orf27

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SETD4 Antibody (N-term) Blocking Peptide - Protein Information**Name** SETD4 {ECO:0000303|PubMed:24738023, ECO:0000312|HGNC:HGNC:1258}**Function**

Histone-lysine N-methyltransferase that acts as a regulator of cell proliferation, cell differentiation and inflammatory response (PubMed:31308046). Regulates the inflammatory response by mediating mono- and dimethylation of 'Lys-4' of histone H3 (H3K4me1 and H3K4me2, respectively), leading to activate the transcription of pro- inflammatory cytokines IL6 and TNF-alpha (By similarity). Also involved in the regulation of stem cell quiescence by catalyzing the trimethylation of 'Lys-20' of histone H4 (H4K20me3), thereby promoting heterochromatin formation (PubMed:31308046). Involved in proliferation, migration, paracrine and myogenic differentiation of bone marrow mesenchymal stem cells (BMSCs) (By similarity).

Cellular Location

Cytoplasm, cytosol. Nucleus

SETD4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SETD4 Antibody (N-term) Blocking Peptide - Images

SETD4 Antibody (N-term) Blocking Peptide - Background

C21orf18 contains 1 SET domain. The exact function is not known.

SETD4 Antibody (N-term) Blocking Peptide - References

Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004) :Reymond, A., et al. Genomics 78 (1-2), 46-54 (2001) :Watanabe, K., et al. Genomics 52(1):95-100(1998)