

SMYD5 Antibody(C-term) Blocking peptide
Synthetic peptide
Catalog # BP19403b**Specification**

SMYD5 Antibody(C-term) Blocking peptide - Product InformationPrimary Accession [Q6GMV2](#)**SMYD5 Antibody(C-term) Blocking peptide - Additional Information****Gene ID** 10322**Other Names**

SET and MYND domain-containing protein 5, 211-, Protein NN8-4AG, Retinoic acid-induced protein 15, SMYD5, RAI15

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.

SMYD5 Antibody(C-term) Blocking peptide - Protein Information**Name** SMYD5**Synonyms** RAI15**Function**

Histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4 to form trimethylated histone H4 lysine 20 (H4K20me3) which represents a specific tag for epigenetic transcriptional repression (By similarity). In association with the NCoR corepressor complex, is involved in the repression of toll-like receptor 4 (TLR4)-target inflammatory genes in macrophages by catalyzing the formation of H4K20me3 at the gene promoters (By similarity). Plays an important role in embryonic stem (ES) cell self-renewal and differentiation (By similarity). Promotes ES cell maintenance by silencing differentiation genes through deposition of H4K20me3 marks (By similarity). Maintains genome stability of ES cells during differentiation through regulation of heterochromatin formation and repression of endogenous repetitive DNA elements by depositing H4K20me3 marks (PubMed:28951459).

SMYD5 Antibody(C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SMYD5 Antibody(C-term) Blocking peptide - Images

SMYD5 Antibody(C-term) Blocking peptide - Background

SMYD5 contains 1 MYND-type zinc finger and 1 SET domain. The exact function of SMYD5 remains unknown.

SMYD5 Antibody(C-term) Blocking peptide - References

Shago, M., et al. Mol. Cell. Biol. 16(8):4337-4348(1996)