

ALKBH4 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12774c**Specification**

ALKBH4 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9NXW9](#)**ALKBH4 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 54784**Other Names**

Alpha-ketoglutarate-dependent dioxygenase alkB homolog 4, 11411-, Alkylated DNA repair protein alkB homolog 4, ALKBH4, ABH4

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.

ALKBH4 Antibody (Center) Blocking peptide - Protein Information**Name** ALKBH4 {ECO:0000303|PubMed:21166655, ECO:0000312|HGNC:HGNC:21900}**Function**

Dioxygenase that mediates demethylation of actin monomethylated at 'Lys-84' (K84me1), thereby acting as a regulator of actomyosin-processes (PubMed:23673617).

Demethylation of actin K84me1 is required for maintaining actomyosin dynamics supporting normal cleavage furrow ingression during cytokinesis and cell migration (PubMed:23673617). In addition to proteins, also demethylates DNA: specifically demethylates DNA methylated on the 6th position of adenine (N(6)-methyladenosine) DNA, thereby regulating Polycomb silencing (By similarity).

Cellular LocationCytoplasm. Nucleus. Nucleus, nucleolus {ECO:0000250|UniProtKB:Q9D8F1}. Midbody.
Note=Associates with the contractile ring and midbody.**Tissue Location**

Widely expressed, with highest expression in pancreas, ovary and spleen.

ALKBH4 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ALKBH4 Antibody (Center) Blocking peptide - Images**ALKBH4 Antibody (Center) Blocking peptide - Background**

Probable dioxygenase that requires molecular oxygen, alpha-ketoglutarate and iron (By similarity).

ALKBH4 Antibody (Center) Blocking peptide - References

Tsujikawa, K., et al. J. Cell. Mol. Med. 11(5):1105-1116(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)