

AF5q31 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9688a**Specification**

AF5q31 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9UHB7](#)**AF5q31 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 27125**Other Names**

AF4/FMR2 family member 4, ALL1-fused gene from chromosome 5q31 protein, Protein AF-5q31, Major CDK9 elongation factor-associated protein, AFF4, AF5Q31, MCEF

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.

AF5q31 Antibody (N-term) Blocking Peptide - Protein Information**Name** AFF4**Synonyms** AF5Q31, MCEF**Function**

Key component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. In the SEC complex, AFF4 acts as a central scaffold that recruits other factors through direct interactions with ELL proteins (ELL, ELL2 or ELL3) and the P-TEFb complex. In case of infection by HIV-1 virus, the SEC complex is recruited by the viral Tat protein to stimulate viral gene expression.

Cellular Location

Nucleus. Chromosome. Note=Associates to transcriptionally active chromatin but not at snRNA genes {ECO:0000250|UniProtKB:Q9ESC8}

Tissue Location

Ubiquitously expressed. Strongly expressed in heart, placenta, skeletal muscle, pancreas and to a lower extent in brain.

AF5q31 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

AF5q31 Antibody (N-term) Blocking Peptide - Images**AF5q31 Antibody (N-term) Blocking Peptide - References**

Lin, C., et al. Mol. Cell 37(3):429-437(2010) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Niedzielski, M.F., et al. Int. J. Biol. Sci. 3(4):225-236(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006) Estable, M.C., et al. J. Biomed. Sci. 9(3):234-245(2002)