10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AF4 (MLLT2) Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP6189b

Specification

AF4 (MLLT2) Antibody (N-term) Blocking peptide - Product Information

Primary Accession P51825

AF4 (MLLT2) Antibody (N-term) Blocking peptide - Additional Information

Gene ID 4299

Other Names
AF4/FMR2 family member 1, ALL1-fused gene from chromosome 4 protein, Protein AF-4, Protein FEL, Proto-oncogene AF4, AFF1, AF4, FEL, MLLT2, PBM1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6189b was selected from the N-term region of human MLLT2 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

AF4 (MLLT2) Antibody (N-term) Blocking peptide - Protein Information

Name AFF1

Synonyms AF4, FEL, MLLT2, PBM1

Cellular Location
Nucleus.

AF4 (MLLT2) Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AF4 (MLLT2) Antibody (N-term) Blocking peptide - Images

AF4 (MLLT2) Antibody (N-term) Blocking peptide - Background

MLLT2 is involved in acute leukemias through a chromosomal translocation t(4;11)(q21;q23) that involves mllt2 and mll/hrx. AF-4 (MLLT2), AF-9, and ENL proteins contain nuclear targeting sequences as well as serine-rich and proline-rich regions. Stretches abundant in basic amino acids are also present in the three proteins. These results suggest that the different proteins fused to ALL-1 polypeptide(s) provide similar functional domains. AF4 is a serine- and proline-rich putative transcription factor with a glutamine-rich carboxyl terminus. The composition of the complete MLL-AF4 fusion product argues that it may act through either a gain-of-function or a dominant negative mechanism in leukemogenesis.

AF4 (MLLT2) Antibody (N-term) Blocking peptide - References

Bursen, A., et al., Oncogene 23(37):6237-6249 (2004).Beausoleil, S.A., et al., Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135 (2004).Caslini, C., et al., Leukemia 18(6):1064-1071 (2004).Bertrand, F.E., et al., Leukemia 17(12):2454-2459 (2003).Reichel, M., et al., Leukemia 15(2):286-288 (2001).