

**AF4 (MLLT2) Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6189a****Specification**

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**AF4 (MLLT2) Antibody (C-term) - Product Information**

Application	IHC-P,E
Primary Accession	<a href="#">P51825</a>
Other Accession	<a href="#">NP_005926</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1181-1210

**AF4 (MLLT2) Antibody (C-term) - 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**

This AF4 (MLLT2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1181~1210 amino acids from the C-terminal region of human MLLT2.

**Dilution**

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AF4 (MLLT2) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AF4 (MLLT2) Antibody (C-term) - Protein Information****Name** AFF1**Synonyms** AF4, FEL, MLLT2, PBM1

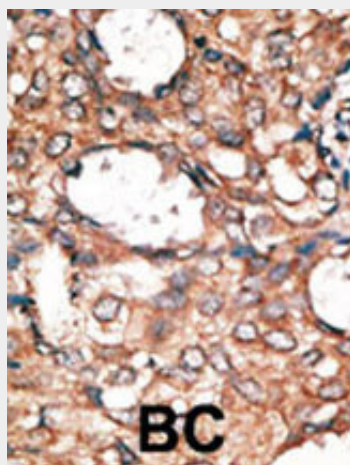
**Cellular Location**

Nucleus.

**AF4 (MLLT2) Antibody (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**AF4 (MLLT2) Antibody (C-term) - Images**

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

**AF4 (MLLT2) Antibody (C-term) - 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 (C-term) - References**

Domer, P.H., et al., Proc. Natl. Acad. Sci. U.S.A. 90(16):7884-7888 (1993).  
Nakamura, T., et al., Proc. Natl. Acad. Sci. U.S.A. 90(10):4631-4635 (1993).  
Morrissey, J., et al., Blood 81(5):1124-1131 (1993).