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# AF4 (MLLT2) Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**

**Catalog # AP6189a**

## Specification

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

| | |
|---|---|
| Application | IHC-P,E |
| Primary Accession | P51825 |
| Other Accession | NP_005926 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit Ig |
| 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

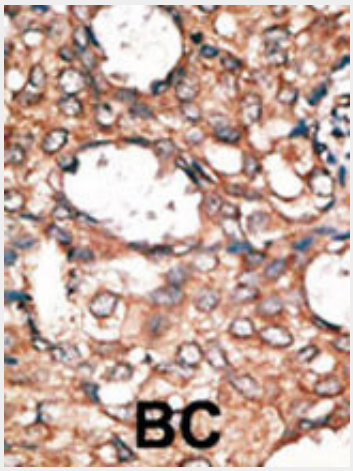
**Target/Specificity**
This AF4 (MLLT2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1181~1210 amino acids from the C-terminal region of human MLLT2.

**Dilution**
IHC-P~~1:50~100

**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**




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.

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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 Cytomety
- Cell Culture

## 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).