

**MLLT10 / AF10 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3181a****Specification**

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**MLLT10 / AF10 Antibody (internal region) - Product Information**

|                   |                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB, E                                                                                                                                                |
| Primary Accession | <a href="#">P55197</a>                                                                                                                               |
| Other Accession   | <a href="#">NP_004632.1</a> , <a href="#">NP_001009569.1</a> , <a href="#">8028</a> , <a href="#">17354</a><br>(mouse), <a href="#">361285</a> (rat) |
| Reactivity        | Rat                                                                                                                                                  |
| Predicted         | Human, Mouse, Dog                                                                                                                                    |
| Host              | Goat                                                                                                                                                 |
| Clonality         | Polyclonal                                                                                                                                           |
| Concentration     | 0.5 mg/ml                                                                                                                                            |
| Isotype           | IgG                                                                                                                                                  |
| Calculated MW     | 113320                                                                                                                                               |

**MLLT10 / AF10 Antibody (internal region) - Additional Information****Gene ID** 8028**Other Names**

Protein AF-10, ALL1-fused gene from chromosome 10 protein, MLLT10, AF10

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MLLT10 / AF10 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**MLLT10 / AF10 Antibody (internal region) - Protein Information****Name** MLLT10 ([HGNC:16063](#))**Function**

Probably involved in transcriptional regulation. In vitro or as fusion protein with KMT2A/MLL1 has transactivation activity. Binds to cruciform DNA. In cells, binding to unmodified histone H3

regulates DOT1L functions including histone H3 'Lys-79' dimethylation (H3K79me2) and gene activation (PubMed:<a href="http://www.uniprot.org/citations/26439302" target="\_blank">26439302</a>).

**Cellular Location**

Nucleus.

**Tissue Location**

Expressed abundantly in testis.

**MLLT10 / AF10 Antibody (internal region) - 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](#)

**MLLT10 / AF10 Antibody (internal region) - Images**

AF3181a (1 µg/ml) staining of Rat Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**MLLT10 / AF10 Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP\_004632.1; NP\_001009569.1).

**MLLT10 / AF10 Antibody (internal region) - References**

Global reduction of the epigenetic H3K79 methylation mark and increased chromosomal instability in CALM-AF10-positive leukemias. Lin YH, Kakadia PM, Chen Y, Li YQ, Deshpande AJ, Buske C, Zhang KL, Zhang Y, Xu GL, Bohlander SK, Blood 2009 Jul 114 (3): 651-8. PMID: 19443658