

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

MLLT10 / AF10 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P55197
Other Accession	NP_004632.1 , NP_001009569.1 , 8028 , 17354 (mouse), 361285 (rat)
Reactivity	Rat
Predicted	Human, Mouse, Dog, Cow
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

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:26439302).

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