



Rabbit Anti-AF10 antibody

SL3696R

Product Name:	AF10
Chinese Name:	髓系、淋巴、混合系白血病易位基因10抗体
Alias:	AF 10; AF10; AF10_HUMAN; ALL 1 fused gene from chromosome 10; ALL1 fused gene from chromosome 10; ALL1-fused gene from chromosome 10 protein; MLLT 10; MLLT10; Myeloid/lymphoid or mixed lineage leukemia (trithorax homolog Drosophila) translocated to 10; Myeloid/lymphoid or mixed lineage leukemia translocated to 10; Protein AF 10; Protein AF-10; Protein AF10; Type I AF10 protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg /Test (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	109kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human AF10/MLLT10:151-250/1027
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	A chromosomal aberration involving MLLT10 is associated with acute leukemias. Translocation t(10;11)(p12;q23) with MLL/HRX. The result is a rogue activator protein. A chromosomal aberration involving MLLT10 is associated with diffuse histiocytic

lymphomas. Translocation t(10;11)(p13;q14) with PICALM.

Function:

Probably involved in transcriptional regulation. In vitro or as fusion protein with MLL has transactivation activity. Binds to cruciform DNA.

Subunit:

Self-associates. Interacts with FSTL3 isoform 2; the interaction enhances MLLT10 in vitro transcriptional activity and self-association. Interacts with YEATS4. Interacts with SS18. Interacts with DOT1L.

Subcellular Location:

Nucleus.

Tissue Specificity:

Expressed abundantly in testis.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

DISEASE:

Note=A chromosomal aberration involving MLLT10 is associated with acute leukemias. Translocation t(10;11)(p12;q23) with MLL/HRX. The result is a rogue activator protein. Note=A chromosomal aberration involving MLLT10 is associated with diffuse histiocytic lymphomas. Translocation t(10;11)(p13;q14) with PICALM.

Similarity:

Contains 2 PHD-type zinc fingers.

SWISS:

P55197

Gene ID:

8028

Database links:

[Entrez Gene: 8028](#)Human

[Entrez Gene: 17354](#)Mouse

[Oimim: 602409](#)Human

[SwissProt: P55197](#)Human

[SwissProt: O54826](#)Mouse

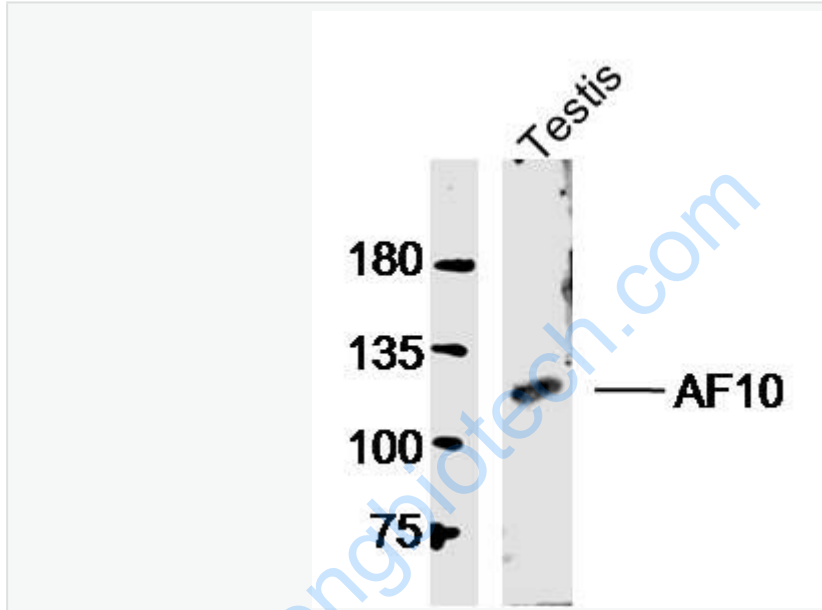
[Unigene: 30385](#)Human

[Unigene: 209175](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



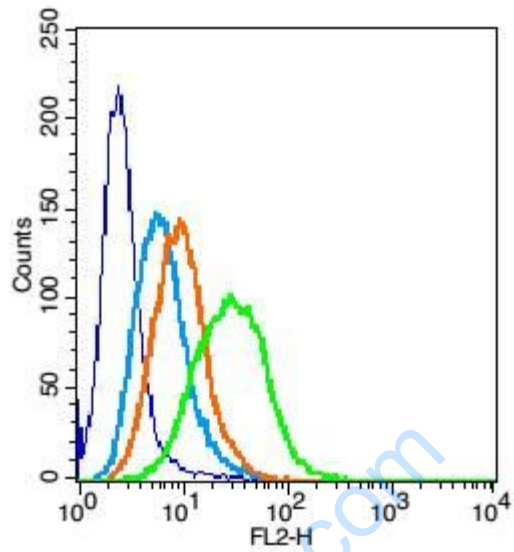
Sample: Testis (Rat) Lysate at 40 ug

Primary: Anti-AF10 (SL3696R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 109 kD

Observed band size: 109 kD



Key	Name	Parameter	Gate
—	U-2OS-blank.021	FL2-H	G1
—	bs-0295G-PE-U-2OS-2.022	FL2-H	G1
—	bs-0295P-(PE)-U-2OS-0.1.023	FL2-H	G1
—	bs-3696P-(PE)-U-2OS-1.026	FL2-H	G1

Blank control: U-2OS(blue)

Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ;

Primary Antibody Dilution: 1 μ l in 100 μ L 1X PBS containing 0.5% BSA(green).