Data Sheet (Cat.No.TMAC-04291)

Anti-WSTF Antibody (7C137)

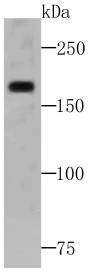
Product Details

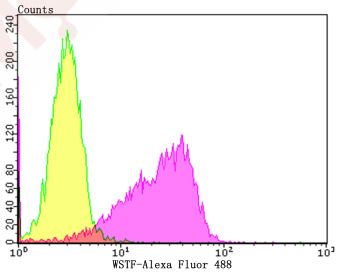
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 171 kDa.
Clone:	7C137
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of WSTF on SiHa cell lysates using anti-WSTF at 1/500 dilution.
2. Flow cytometric analysis of K562 cells with WSTF antibody at 1/50 dilution (Fuchsia) compared with an unlabelled control (cells without incubation with primary antibody; Yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.





Application:	FCM,WB
Recommended	WB: 1:500-1000; FCM: 1:50-100

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Uniprot ID:	Q9UIG0
Synonyms:	WBRS-9;WBSC 10;WBRS 9;Williams-Beuren syndrome chromosomal region 9 protein; BAZ1B_HUMAN;WSTF;hWALP-2;WBSCR10;hWALP 2;hWALP2;transcription factor WSTF;Williams Beuren syndrome chromosome region 9 protein;WBSCR9;Williams syndrome transcription factor;Tyrosine-protein kinase BAZ1B;baz1b;WBRS9;WBSC10;Bromodomain adjacent to zinc finger domain protein 1B;WALP-2;Williams-Beuren syndrome chromosomal region 10 protein; WALP2;WBSC-10

Research Background

Atypical tyrosine-protein kinase that plays a central role in chromatin remodeling and acts as a transcription regulator. Involved in DNA damage response by phosphorylating 'Tyr-142' of histone H2AX (H2AXY142ph). H2AXY142ph plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Essential component of the WICH complex, a chromatin remodeling complex that mobilizes nucleosomes and reconfigures irregular chromatin to a regular nucleosomal array structure. The WICH complex regulates the transcription of various genes, has a role in RNA polymerase I and RNA polymerase III transcription, mediates the histone H2AX phosphorylation at 'Tyr-142', and is involved in the maintenance of chromatin structures during DNA replication processes. In the complex, it mediates the recruitment of the WICH complex to replication foci during DNA replication.

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