



# Anti-BAZ1B monoclonal antibody, clone FQ2815Z (DCABH-9036)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit monoclonal to WSTF
<b>Antigen Description</b>	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. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. In the WINAC complex, plays an essential role by targeting the complex to acetylated histones, an essential step for VDR-promoter association.
<b>Immunogen</b>	Synthetic peptide corresponding to residues near the C-terminus of human WSTF.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	FQ2815Z
<b>Conjugate</b>	Unconjugated

<b>Applications</b>	IHC-P, WB, Flow Cyt, ICC/IF
<b>Positive Control</b>	HeLa cell lysate, human lymphoma tissue or HeLa cells.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
<b>Storage</b>	store at -20°C. Avoid freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">BAZ1B bromodomain adjacent to zinc finger domain, 1B [ Homo sapiens ]</a>
<b>Official Symbol</b>	BAZ1B
<b>Synonyms</b>	BAZ1B; bromodomain adjacent to zinc finger domain, 1B; WBSCR9, WBSCR10; tyrosine-protein kinase BAZ1B; transcription factor WSTF; Williams Beuren syndrome chromosome region 9; Williams Beuren syndrome chromosome region 10; WSTF; hWALp2; williams syndrome
<b>Entrez Gene ID</b>	<a href="#">9031</a>
<b>Protein Refseq</b>	<a href="#">NP_115784</a>
<b>UniProt ID</b>	<a href="#">Q9UIG0</a>
<b>Chromosome Location</b>	7q11.23
<b>Function</b>	ATP binding; chromatin binding; histone acetyl-lysine binding; histone kinase activity; kinase activity; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein complex scaffold; protein tyro