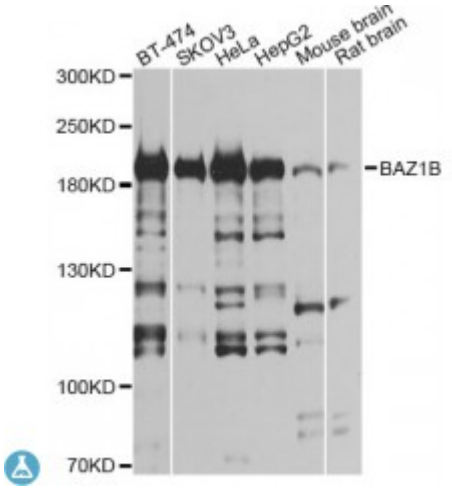
Anti-BAZ1B Antibody



Description	This gene encodes a member of the bromodomain protein family. The bromodomain is a structural motif characteristic of proteins involved in chromatin-dependent regulation of transcription. This gene is deleted in Williams-Beuren syndrome, a developmental disorder caused by deletion of multiple genes at 7q11.23.

Model	STJ114419
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human BAZ1B (NP_115784.1).
Gene ID	9031
Gene Symbol	BAZ1B
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Ubiquitously expressed with high levels of expression in heart, brain, placenta, skeletal muscle and ovary
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Tyrosine-protein kinase BAZ1B
Molecular Weight	170.903 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:961OMIM:605681Reactome:R-HSA-5250924
Alternative Names	Tyrosine-protein kinase BAZ1B
Function	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,
Cellular Localization	Nucleus,