

Datasheet for ABIN6971425
anti-BAZ2A antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	BAZ2A
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This antibody was raised against a peptide within the N-terminal region of human BAZ2A.
Isotype:	IgG
Characteristics:	BAZ2A (Bromodomain Adjacent To Zinc Finger Domain, 2A) is an essential component of the NoRC (nucleolar remodeling complex) complex, a complex that mediates silencing of a fraction of rDNA by recruiting histone-modifying enzymes and DNA methyltransferases, leading to heterochromatin formation and transcriptional silencing. In the complex, it plays a central role by being recruited to rDNA and by targeting chromatin modifying enzymes such as HDAC1, leading to repress RNA polymerase I transcription. Recruited to rDNA via its interaction with TTF1 and its ability to recognize and bind histone H4 acetylated on 'Lys-16' (H4K16ac), leading to deacetylation of H4K5ac, H4K8ac, H4K12ac but not H4K16ac. Specifically binds pRNAs, 150-250 nucleotide RNAs that are complementary in sequence to the rDNA promoter, pRNA-binding is required for heterochromatin formation and rDNA silencing (By similarity). BAZ2A antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunofluorescence and

Product Details

Western blot, it has been shown to react with Human samples.

Purification: Affinity Purified

Target Details

Target: BAZ2A

Alternative Name: BAZ2A ([BAZ2A Products](#))

Molecular Weight: 270 kDa

NCBI Accession: [NP_038477](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

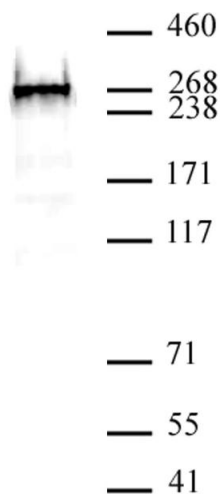
Buffer: Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

Image 1. BAZ2A antibody (pAb) tested by Western blot. BAZ2A antibody detection by Western blot. The analysis was performed using 40 µg of HeLa nuclear extract and BAZ2A at a 1:500 dilution.