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Datasheet for ABIN1397510

anti-BAZ1A antibody (AA 1401-1556) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	BAZ1A
Binding Specificity:	AA 1401-1556
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAZ1A antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ATP utilizing chromatin assembly and remodeling factor 1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Pig, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	BAZ1A
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Target Details

Alternative Name: ACF1 ([BAZ1A Products](#))

Background: Synonyms: BAZ1A, Acf1, ACF1, drosophila, homolog of antibody ATP dependent chromatin remodelling protein, ATP utilizing chromatin assembly and remodeling factor 1, ATP-dependent chromatin-remodeling protein, ATP-utilizing chromatin assembly and remodeling factor 1, Baz1a, BAZ1A_HUMAN, Bromodomain adjacent to zinc finger domain 1A, Bromodomain adjacent to zinc finger domain protein 1A, cbp146, CHRAC subunit ACF1, Gtl5.

Background: Component of the ACF complex, an ATP-dependent chromatin remodeling complex, that regulates spacing of nucleosomes using ATP to generate evenly spaced nucleosomes along the chromatin. The ATPase activity of the complex is regulated by the length of flanking DNA. Also involved in facilitating the DNA replication process. BAZ1A is the accessory, non-catalytic subunit of the complex which can enhance and direct the process provided by the ATPase subunit, SMARCA5, probably through targeting pericentromeric heterochromatin in late S phase. Moves end-positioned nucleosomes to a predominantly central position. May have a role in nuclear receptor-mediated transcription repression. Component of the histone-fold protein complex CHRAC complex which facilitates nucleosome sliding by the ACF complex and enhances ACF-mediated chromatin assembly. The C-terminal regions of both CHRAC1 and POLE1 are required for these functions.

Gene ID: 11177

UniProt: [Q9NRL2](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months