


## Product datasheet

# Anti-ACF1 / BAZ1A antibody ab94749

[1 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-ACF1 / BAZ1A antibody
<b>Description</b>	Rabbit polyclonal to ACF1 / BAZ1A
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog 
<b>Immunogen</b>	Synthetic peptide corresponding to a region within the internal sequence amino acids 1260-1309 (LPKRGRPQVR LPVKTRGKLS SSFSSRGQQQ EPGRYPSRSQ QSTPKTTVSS) of Human ACF1/ BAZ1A (NP_038476). <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Human fetal stomach lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab94749** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 179 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## Target

### Function

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.

### Tissue specificity

Highly expressed in testis and at low or undetectable levels in other tissues analyzed.

### Sequence similarities

Belongs to the WAL family.

Contains 1 bromo domain.

Contains 1 DDT domain.

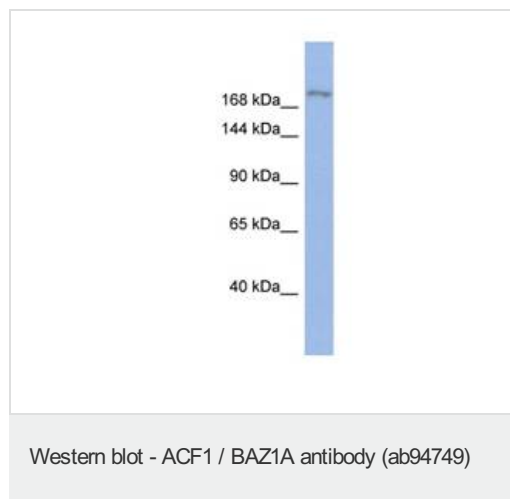
Contains 1 PHD-type zinc finger.

Contains 1 WAC domain.

### Cellular localization

Nucleus. May target the CHRAC complex to heterochromatin.

## Images



Anti-ACF1 / BAZ1A antibody (ab94749) at 1  $\mu$ g/ml (in 5% skim milk / PBS buffer) + Human fetal stomach lysate at 10  $\mu$ g

### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size:** 179 kDa

Gel concentration: 6-18%

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