

For Research Use Only

# BAZ2A Recombinant antibody

Catalog Number: 82910-2-RR



## Basic Information

<b>Catalog Number:</b> 82910-2-RR	<b>GenBank Accession Number:</b> NM_013449.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11176	<b>CloneNo.:</b> 230205B8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UIF9	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> bromodomain adjacent to zinc finger domain, 2A	
<b>Immunogen Catalog Number:</b> AG33963	<b>Calculated MW:</b> 211 kDa	
	<b>Observed MW:</b> 250-270 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HEK-293T cells, HeLa cells, K-562 cells, MDA-MB-231 cells, PC-3 cells <b>IF/ICC :</b> U2OS cells, A549 cells

## Background Information

BAZ2A (bromodomain adjacent to zinc finger domain 2A), also known as TIP5. It is expected to be located in nucleus, and the protein is expressed at moderate levels in most tissues analyzed, including heart, brain, placenta, lung, skeletal muscle, kidney and pancreas. BAZ2A is an epigenetic regulator affecting transcription of ribosomal RNA, it is also a regulatory subunit of the ATP-dependent NoRC-1 and NoRC-5 ISWI chromatin remodeling complexes, which form ordered nucleosome arrays on chromatin and facilitate access to DNA during DNA-templated processes such as DNA replication, transcription, and repair (PubMed:28801535). The calculated molecular weight of BAZ2A is 210 kDa.

## Storage

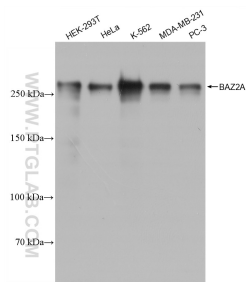
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

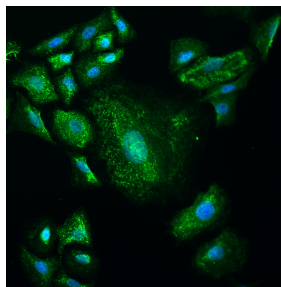
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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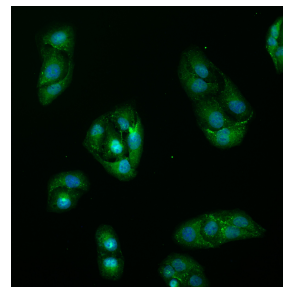
## Selected Validation Data



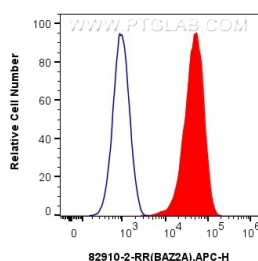
Various lysates were subjected to SDS PAGE followed by western blot with 82910-2-RR (BAZ2A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



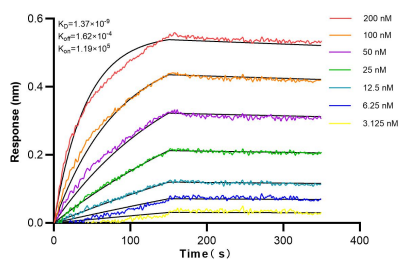
Immunofluorescent analysis of (4% PFA) fixed A549 cells using BAZ2A antibody (82910-2-RR, Clone: 230205B8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using BAZ2A antibody (82910-2-RR, Clone: 230205B8) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



(blue)  $1 \times 10^6$  U-2 OS were intracellularly stained with 0.25  $\mu$ g Anti-Human BAZ2A (82910-2-RR, Clone:230205B8) and Alexa Fluor™ Plus 647-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:166(red), or 0.25  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-O-AP). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82910-2-RR against Human BAZ2A were performed. The affinity constant is 1.46 nM.