

For Research Use Only

BAZ2A Recombinant antibody

Catalog Number: 82910-2-RR



Basic Information

Catalog Number:

82910-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33963

GenBank Accession Number:

NM_013449.4

GeneID (NCBI):

11176

UNIPROT ID:

Q9UIF9

Full Name:

bromodomain adjacent to zinc finger domain, 2A

Calculated MW:

211 kDa

Observed MW:

250-270 kDa

Purification Method:

Protein A purification

CloneNo.:

230205B8

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293T cells, HeLa cells, K-562 cells, MDA-MB-231 cells, PC-3 cells

IF/ICC : 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

For technical support and original validation data for this product please contact:

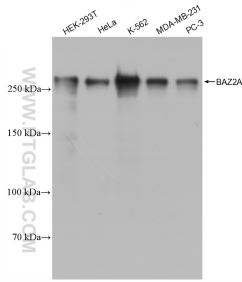
T: 4006900926

E: Proteintech-CN@ptglab.com

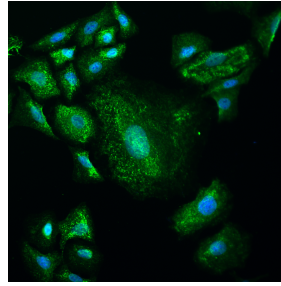
W: ptgcn.com

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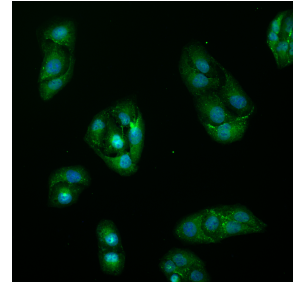
Selected Validation Data



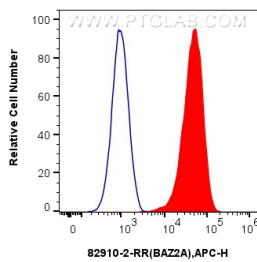
Various lysates were subjected to SDS PAGE followed by western blot with 82910-2-RR (BAZ2A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



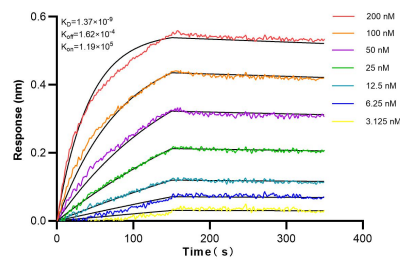
Immunofluorescent analysis of (4% PFA) fixed A549 cells using BAZ2A antibody (82910-2-RR, Clone: 230205B8) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



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 AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



(blue) 1×10^6 U-2 OS were intracellularly stained with 0.25 ug Anti-Human BAZ2A (82910-2-RR, Clone:230205B8) and Alexa Fluor™ Plus 647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:166(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-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.