

Anti-PA2G4 Antibody (Center R243)

Catalog Number: A02791-1

About PA2G4

PA2G4 is an RNA-binding protein that is involved in growth regulation. This protein is present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing. The protein can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. It is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. It has been implicated in growth inhibition and the induction of differentiation of human cancer cells.

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Overview

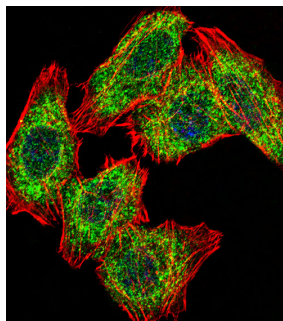
Product Name	Anti-PA2G4 Antibody (Center R243)
Reactive Species	Human
Description	Boster Bio Anti-PA2G4 Antibody (Center R243) (Catalog # A02791-1). Tested in IF, Flow Cytometry, IHC-P, WB application(s). This antibody reacts with Human.
Application	Flow Cytometry, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UQ80

Technical Details

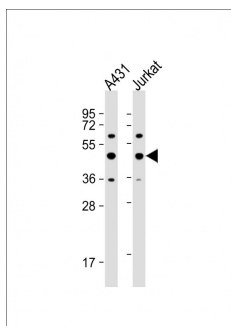
Immunogen	This PA2G4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 228-255 amino acids from the Central region of human PA2G4.
Predicted Reactive Species	Mouse, Rat
Isotype	Rabbit IgG

Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:1000 IHC-P: 1:50-1:100 FC: 1:10-1:50

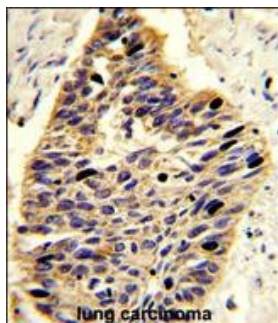
Anti-PA2G4 Antibody (Center R243) (A02791-1) Images



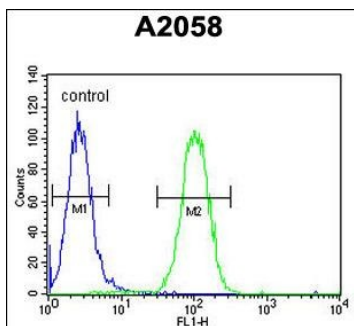
Fluorescent confocal image of U251 cell stained with PA2G4 Antibody (Center R243). U251 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with PA2G4 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (blue) (10 µg/ml, 10 min). PA2G4 immunoreactivity is localized to Cytoplasm significantly and Nucleus weakly.



All lanes : Anti-PA2G4 Antibody (Center R243) at 1:1000 dilution
Lane 1: A431 whole cell lysate
Lane 2: Jurkat whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with PA2G4 Antibody (Center R243), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



PA2G4 Antibody (Center R243) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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