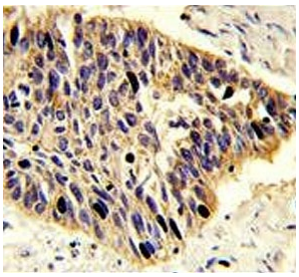
PA2G4 Antibody / EBP1 / ErbB3-binding protein 1 (F54781)

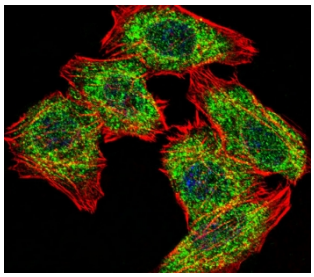
Catalog No.	Formulation	Size
F54781-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54781-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

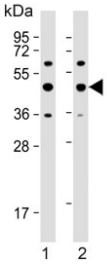
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9UQ80
Localization	Cytoplasmic, nuclear
Applications	Immunofluorescence: 1:25 Flow cytometry: 1:25 (1x10e6 cells) Immunohistochemistry (FFPE): 1:25 Western blot: 1:500-1:1000
Limitations	This PA2G4 antibody is available for research use only.



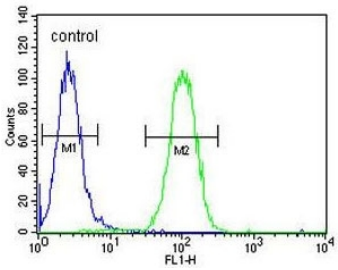
IHC testing of FFPE human lung carcinoma tissue with PA2G4 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human U-251 cells with PA2G4 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



Western blot testing of human 1) A431 and 2) Jurkat cell lysate with PA2G4 antibody. Predicted molecular weight ~44 kDa.



Flow cytometry testing of human A2058 cells with PA2G4 antibody; Blue=isotype control, Green= PA2G4 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the PA2G4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 228-255 from the human protein was used as the immunogen for the PA2G4 antibody.

Storage

Aliquot the PA2G4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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