

Datasheet for ABIN7164746
anti-PA2G4 antibody (AA 2-394)

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PA2G4
Binding Specificity:	AA 2-394
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PA2G4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Proliferation-associated protein 2G4 protein (2-394AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PA2G4
Alternative Name:	PA2G4 (PA2G4 Products)
Background:	Background: May play a role in a ERBB3-regulated signal transduction pathway. Seems be involved in growth regulation. Acts a corepressor of the androgen receptor (AR) and is

Target Details

regulated by the ERBB3 ligand neuregulin-1/hereregulin (HRG). Inhibits transcription of some E2F1-regulated promoters, probably by recruiting histone acetylase (HAT) activity. Binds RNA. Associates with 28S, 18S and 5.8S mature rRNAs, several rRNA precursors and probably U3 small nucleolar RNA. May be involved in regulation of intermediate and late steps of rRNA processing. May be involved in ribosome assembly. Mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site) (By similarity). Regulates cell proliferation, differentiation, and survival. Isoform 1 suppresses apoptosis whereas isoform 2 promotes cell differentiation (By similarity).

Aliases: 38 kDa antibody, AA672939 antibody, Cell cycle protein p38 2G4 homolog antibody, Cell cycle protein p38-2G4 homolog antibody, ErbB-3 binding protein 1 antibody, ErbB3 binding protein 1 antibody, ErbB3-binding protein 1 antibody, ErbB3-binding protein Ebp1 antibody, hG4 1 antibody, hG4-1 antibody, IRES-specific cellular trans-acting factor 45 kDa antibody, MGC81621 antibody, MGC94070 antibody, Mpp1 antibody, p38 2G4 antibody, Pa2g4 antibody, PA2G4_HUMAN antibody, Plfap antibody, Proliferation associated 2G4 antibody, Proliferation associated 2G4, 38-KD antibody, Proliferation-associated 2G4, 38 kDa antibody, Proliferation-associated 2G4, a antibody, Proliferation-associated protein 1 antibody, Proliferation-associated protein 2G4 antibody, Protein p38-2G4 antibody, si:dz150i12.2 antibody, wu:fb19b11 antibody, wu:ft56d05 antibody, zgc:86732 antibody

UniProt: [Q9UQ80](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

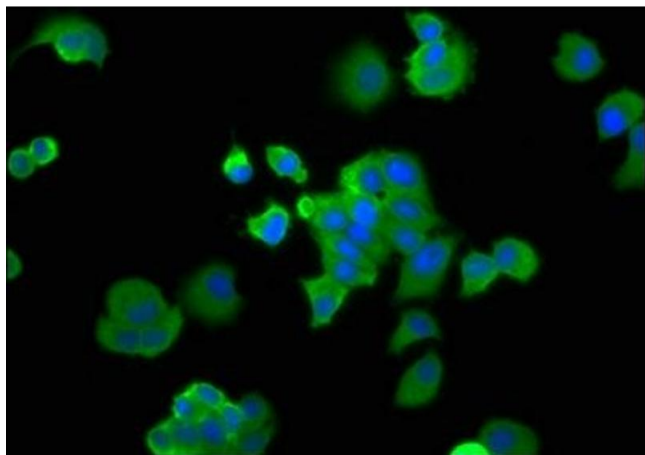
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, -80 °C

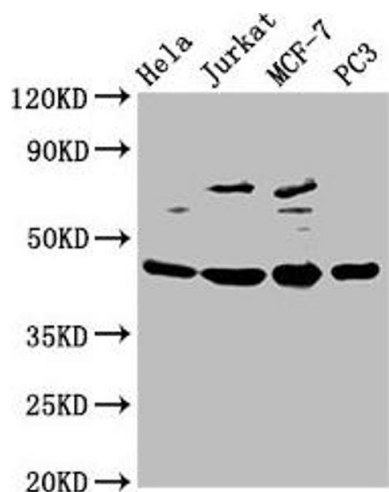
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



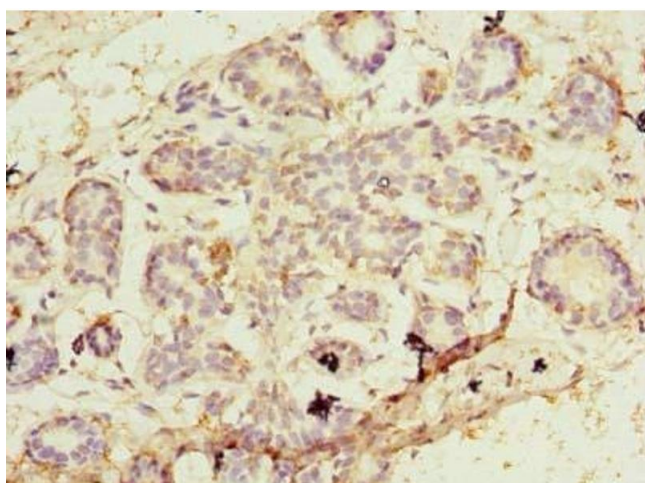
Immunofluorescence

Image 1. Immunofluorescence staining of MCF-7 cells with ABIN7164746 at 1:166, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, Jurkat whole cell lysate, MCF-7 whole cell lysate, PC-3 whole cell lysate. All lanes: PA2G4 antibody at 2.5 µg/mL. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 44, 39 kDa. Observed band size: 44 kDa.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7164746 at dilution of 1:100.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7164746.