

Datasheet for ABIN2855702

anti-PA2G4 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PA2G4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PA2G4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human EBP1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Xenopus laevis
Characteristics:	Rabbit Polyclonal antibody to EBP1 (proliferation-associated 2G4, 38 kDa) EBP1 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PA2G4
Alternative Name:	proliferation-associated 2G4 (PA2G4 Products)

Target Details

Background: This gene encodes 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. This protein can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. This protein is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. This protein has been implicated in growth inhibition and the induction of differentiation of human cancer cells. Six pseudogenes, located on chromosomes 3, 6, 9, 18, 20 and X, have been identified.

Cellular Localization: Cytoplasm , Nucleus , nucleolus

Molecular Weight: 44 kDa

Gene ID: 5036

UniProt: [Q9UQ80](#)

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

Application Details

Application Notes: WB: 1:5000-1:20000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: A431 , Jurkat

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

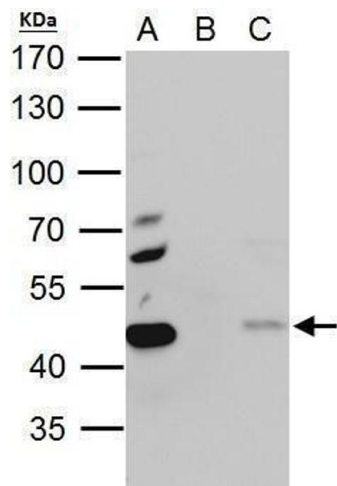
Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Handling

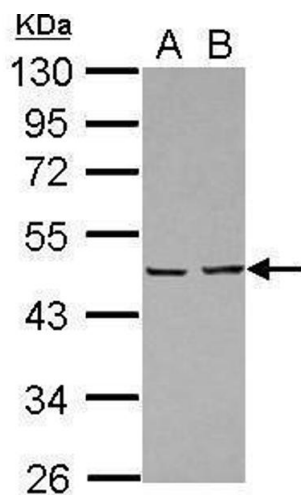
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunoprecipitation

Image 1. IP Image EBP1 antibody immunoprecipitates EBP1 protein in IP experiments. IP Sample: 293T whole cell lysate/extract A. 40 µg 293T whole cell lysate/extract B. Control with 2 µg of preimmune rabbit IgG C. Immunoprecipitation of EBP1 protein by 2 µg of EBP1 antibody , 7.5% SDS-PAGE The immunoprecipitated EBP1 protein was detected by EBP1 antibody , diluted at 1:1000. EasyBlot anti-rabbit IgG was used as a secondary reagent.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: A431 B: Jurkat 10% SDS PAGE antibody diluted at 1:10000