

KD-Validated Anti-Proliferation-Associated 2G4 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1615**Specification****KD-Validated Anti-Proliferation-Associated 2G4 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	Q9UQ80
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 44 kDa , observed , 42 kDa KDa
Gene Name	PA2G4
Aliases	Proliferation-Associated 2G4; EBP1; IRES-Specific Cellular Transacting Factor 45; Proliferation-Associated Protein 2G4; Proliferation-Associated 2G4, 38kDa; Proliferation-Associated 2G4, 38kD; Cell Cycle Protein P38-2G4 Homolog; ErbB-3 Receptor Binding Protein; ErbB3-Binding Protein 1; ITAF45; HG4-1; ErbB3-Binding Protein Ebp1; ErbB-3 Binding Protein 1; P38-2G4
Immunogen	A synthesized peptide derived from human EBP1 / PA2G4

KD-Validated Anti-Proliferation-Associated 2G4 Rabbit Monoclonal Antibody - Additional Information

Gene ID	5036
Other Names	
Proliferation-associated protein 2G4, Cell cycle protein p38-2G4 homolog, hG4-1, ErbB3-binding protein 1, PA2G4, EBP1	

KD-Validated Anti-Proliferation-Associated 2G4 Rabbit Monoclonal Antibody - Protein Information**Name** PA2G4**Synonyms** EBP1**Function**

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 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).

Cellular Location

[Isoform 1]: Cytoplasm. Nucleus, nucleolus Note=Translocates to the nucleus upon treatment with HRG Phosphorylation at Ser-361 by PKC/PRKCD regulates its nucleolar localization.

Tissue Location

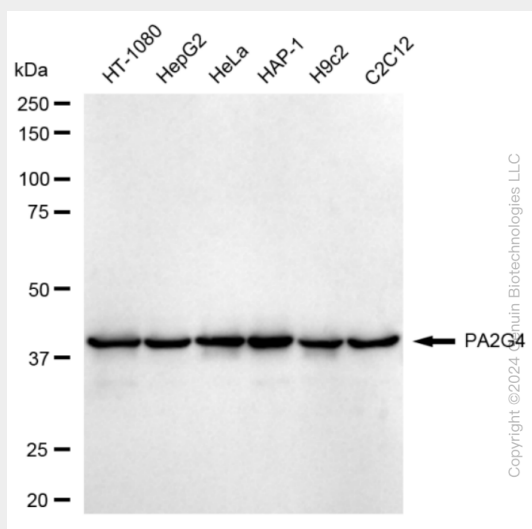
Isoform 2 is undetectable whereas isoform 1 is strongly expressed in cancer cells (at protein level). Isoform 1 and isoform 2 are widely expressed, including heart, brain, lung, pancreas, skeletal muscle, kidney, placenta and liver

KD-Validated Anti-Proliferation-Associated 2G4 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-Proliferation-Associated 2G4 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-PA2G4 antibody (Cat#AGI1615). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PA2G4 antibody (Cat#AGI1615, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

