

**EBP1 / PA2G4 Antibody**  
Rabbit mAb  
Catalog # AP92330

## Specification

---

### EBP1 / PA2G4 Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	<a href="#">O9UQ80</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
hG4 1; Mpp1; p38 2G4; Pa2g4; Plfap;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	43787 Da

### EBP1 / PA2G4 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human EBP1 / PA2G4
Description	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).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### EBP1 / PA2G4 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

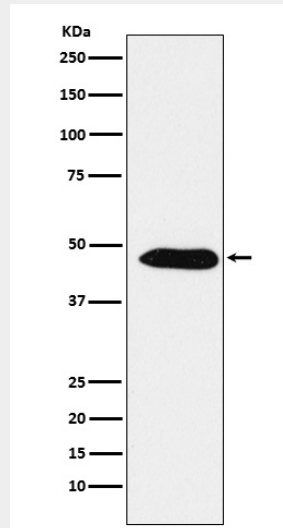
Isoform 2 is undetectable whereas isoform 1 is strongly expressed in cancer cells (at protein level). Isoform 1 and isoform 2 are widely expressed, including heart, brain, lung, pancreas, skeletal muscle, kidney, placenta and liver

### EBP1 / PA2G4 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](#)

### EBP1 / PA2G4 Antibody - Images



Western blot analysis of EBP1 / PA2G4 expression in A431 cell lysate.