

**Pa2g4 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14215**

**Specification**

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**Pa2g4 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P50580</a>
Other Accession	<a href="#">NM_011119</a> , <a href="#">NP_035249</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa kDa

**Pa2g4 antibody - C-terminal region - Additional Information**

**Gene ID** 18813

**Alias Symbol** 38kDa, AA672939, Ebp1, Plfap

**Other Names**

Proliferation-associated protein 2G4, IRES-specific cellular trans-acting factor 45 kDa, ITAF45, Mpp1, Proliferation-associated protein 1, Protein p38-2G4, Pa2g4, Ebp1, Plfap

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Pa2g4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Pa2g4 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Pa2g4 antibody - C-terminal region - Protein Information**

**Name** Pa2g4

**Synonyms** Ebp1, Plfap

**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 (By similarity). Mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site). Together with PTBP1 is required for the translation initiation on the foot-and-mouth disease virus (FMDV) IRES. Regulates cell proliferation, differentiation, and survival. Isoform 1 suppresses apoptosis whereas isoform 2 promotes cell differentiation (By similarity).

#### Cellular Location

[Isoform 1]: Cytoplasm {ECO:0000250|UniProtKB:Q9UQ80}. Nucleus, nucleolus {ECO:0000250|UniProtKB:Q9UQ80}. Note=Phosphorylation at Ser-361 by PKC/PRKCD regulates its nucleolar localization {ECO:0000250|UniProtKB:Q9UQ80}

#### Tissue Location

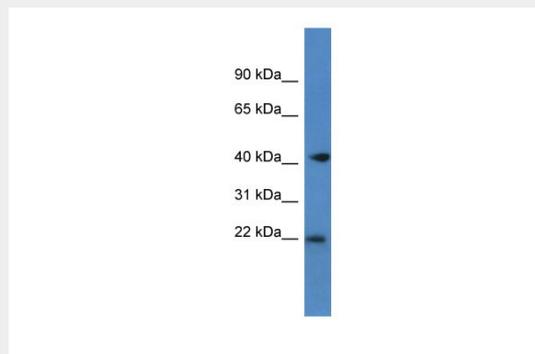
Widely expressed..

### Pa2g4 antibody - C-terminal region - 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](#)

### Pa2g4 antibody - C-terminal region - Images



WB Suggested Anti-Pa2g4 Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Brain

### Pa2g4 antibody - C-terminal region - References

- Radomski N., et al. *Exp. Cell Res.* 220:434-445(1995).  
Nakagawa Y., et al. *Acta Med. Okayama* 51:195-206(1997).  
Pilipenko E.V., et al. *Genes Dev.* 14:2028-2045(2000).  
Squatrito M., et al. *Oncogene* 23:4454-4465(2004).  
Trinidad J.C., et al. *Mol. Cell. Proteomics* 5:914-922(2006).