

Pa2g4 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14215

Product Information

Application	WB
Primary Accession	P50580
Other Accession	NM_011119 , NP_035249
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted Host	Human, Mouse, Rat, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 43699

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.

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}

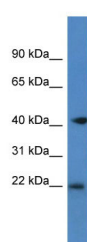
Tissue Location

Widely expressed..

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.