

## **Product datasheet for TA362218**

## Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.con

Rockville, MD 20850, US

https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

## **PPM1F Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

**Immunogen:** The immunogen is a synthetic peptide directed towards the C terminal region of Human

PPM1F

**Specificity: Expected reactivity**: Human

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

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Concentration:** lot specific

Purification: Affinity purified
Conjugation: Unconjugated

**Storage:** For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

**Stability:** Shelf life: one year from despatch.

Predicted Protein Size: 49 kDa

**Gene Name:** protein phosphatase, Mg2+/Mn2+ dependent 1F

Database Link: NP 055449.1

Entrez Gene 9647 Human

P49593



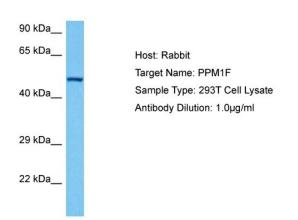
Background:

The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase can interact with Rho guanine nucleotide exchange factors (PIX), and thus block the effects of p21-activated kinase 1 (PAK), a protein kinase mediating biological effects downstream of Rho GTPases. Calcium/calmodulin-dependent protein kinase II gamma (CAMK2G/CAMK-II) is found to be one of the substrates of this phosphatase. The overexpression of this phosphatase or CAMK2G has been shown to mediate caspase-dependent apoptosis. An alternatively spliced transcript variant has been identified, but its full-length nature has not been determined.

Synonyms: CAMKP; CaMKPase; FEM-2; hFEM-2; KIAA0015; OTTHUMP00000198593; POPX2

**Protein Families:** Druggable Genome, Phosphatase

## **Product images:**



Host: Rabbit Target Name: PPM1F

Sample Tissue: Human 293T Whole Cell lysates

Antibody Dilution: 1ug/ml