

# PTGES3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14751c

### **Product Information**

Application WB, E Primary Accession Q15185

Other Accession P83868, Q9R007, Q6PWL5, Q3ZBF7, NP 006592.3

**Reactivity** Human, Rat, Mouse

**Predicted** Mouse, Rat, Monkey, Bovine

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB34953Calculated MW18697Antigen Region45-73

### **Additional Information**

**Gene ID** 10728

**Other Names** Prostaglandin E synthase 3, Cytosolic prostaglandin E2 synthase, cPGES,

Hsp90 co-chaperone, Progesterone receptor complex p23, Telomerase-binding protein p23, PTGES3, P23, TEBP

**Target/Specificity** This PTGES3 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 45-73 amino acids from the Central

region of human PTGES3.

**Dilution** WB~~1:2000 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** PTGES3 Antibody (Center) is for research use only and not for use in

diagnostic or therapeutic procedures.

### **Protein Information**

Name PTGES3

Synonyms P23, TEBP

#### **Function**

Cytosolic prostaglandin synthase that catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2) (PubMed:10922363). Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts receptor-mediated transcriptional activation, by promoting disassembly of transcriptional regulatory complexes (PubMed:11274138, PubMed:12077419). Facilitates HIF alpha proteins hydroxylation via interaction with EGLN1/PHD2, leading to recruit EGLN1/PHD2 to the HSP90 pathway (PubMed:24711448).

**Cellular Location** 

Cytoplasm {ECO:0000250 | UniProtKB:Q3ZBF7}.

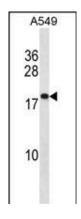
# **Background**

Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts receptor-mediated transcriptional activation, by promoting disassembly of transcriptional regulatory complexes.

### References

Chen, W., et al. Proc. Natl. Acad. Sci. U.S.A. 107(16):7401-7406(2010) Lee, J.H., et al. Cancer Lett. 290(1):76-86(2010) Chadli, A., et al. J. Biol. Chem. 285(6):4224-4231(2010) Woo, S.H., et al. J. Biol. Chem. 284(45):30871-30880(2009) Mattila, S., et al. Neuropathology 29(2):156-165(2009)

## **Images**



PTGES3 Antibody (Center) (Cat. #AP14751c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PTGES3 antibody detected the PTGES3 protein (arrow).

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