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PTGES3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14751c

Specification

PTGES3 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q15185
Other Accession	P83868, Q9R0Q7, Q6PWL5, Q3ZBF7, NP_006592.3, G1TGF1
Reactivity	**Human, Mouse, Rat**
Predicted	**Bovine, Monkey, Rabbit**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**45-73**

PTGES3 Antibody (Center) - 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

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.

PTGES3 Antibody (Center) - 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).

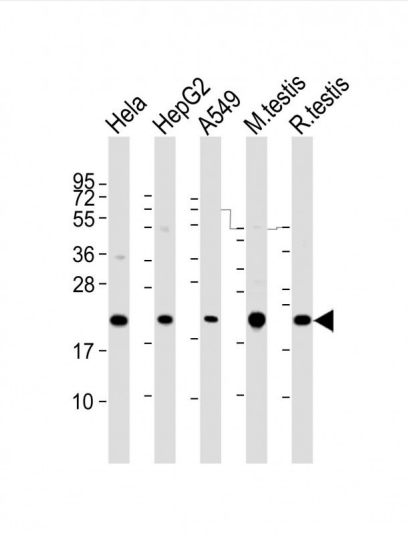
Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q3ZBF7}.

PTGES3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PTGES3 Antibody (Center) - Images



All lanes : Anti-PTGES3 Antibody (Center) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: A549 whole cell lysate Lane 4: mouse testis lysate Lane 5: rat testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 19 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PTGES3 Antibody (Center) - 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.

PTGES3 Antibody (Center) - 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)
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