

KD-Validated Anti-Prostaglandin E Synthase 3 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1681**Specification****KD-Validated Anti-Prostaglandin E Synthase 3 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	Q15185
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 19 kDa , observed , 23 kDa KDa
Gene Name	PTGES3
Aliases	PTGES3; Prostaglandin E Synthase 3; CPGES; TEBP; P23; Prostaglandin E Synthase 3 (Cytosolic); Cytosolic Prostaglandin E2 Synthase; Progesterone Receptor Complex P23; Telomerase-Binding Protein P23; Hsp90 Co-Chaperone; EC 5.3.99.3; Unactive Progesterone Receptor, 23 KD; Cytosolic Prostaglandin E Synthase
Immunogen	A synthesized peptide derived from human p23

KD-Validated Anti-Prostaglandin E Synthase 3 Rabbit Monoclonal Antibody - Additional Information

Gene ID	10728
Other Names	
Prostaglandin E synthase 3, 5.3.99.3, Cytosolic prostaglandin E2 synthase, cPGES, Hsp90 co-chaperone, Progesterone receptor complex p23, Telomerase-binding protein p23, PTGES3, P23, TEBP	

KD-Validated Anti-Prostaglandin E Synthase 3 Rabbit Monoclonal Antibody - 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

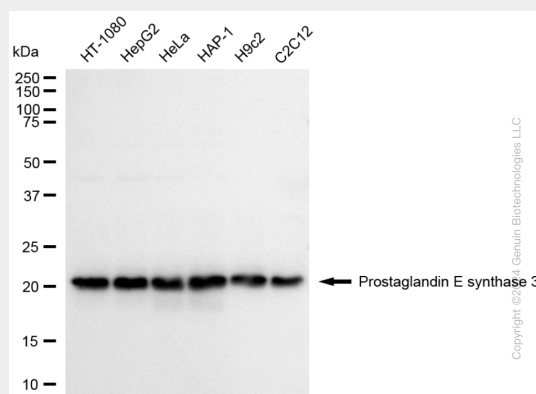
Cytoplasm {ECO:0000250|UniProtKB:Q3ZBF7}.

KD-Validated Anti-Prostaglandin E Synthase 3 Rabbit Monoclonal Antibody - Protocols

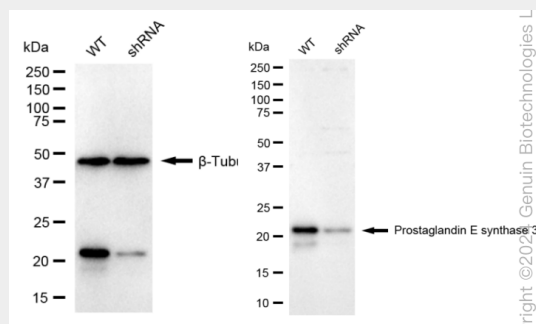
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-Prostaglandin E Synthase 3 Rabbit Monoclonal Antibody - Images

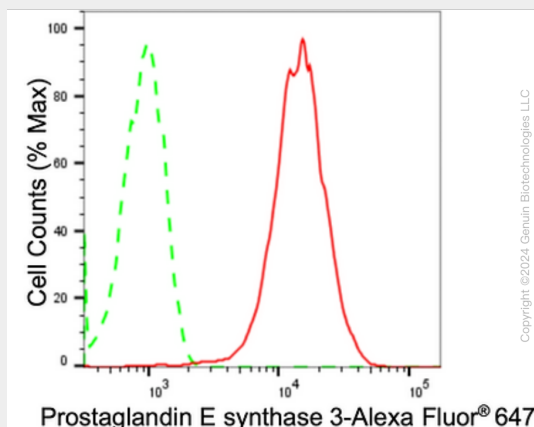


Western blotting analysis using anti-Prostaglandin E synthase 3 antibody (Cat#AGI1681). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Prostaglandin E synthase 3 antibody (Cat#AGI1681, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-prostaglandin E synthase 3 antibody (Cat#AGI1681). Prostaglandin E synthase 3 expression in wild-type (WT) and prostaglandin E synthase 3 (PTGES3) shRNA cells.

shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-prostaglandin E synthase 3 antibody (Cat#AGI1681, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Prostaglandin E synthase 3 expression in HepG2 cells using anti-Prostaglandin E synthase 3 antibody (Cat#AGI1681, 1:2,000). Green, isotype control; red, Prostaglandin E synthase 3.