

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

Rabbit monoclonal antibody

Catalog # AGI1681

Product Information

Application	WB, FC
Primary Accession	Q15185
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1470
Calculated MW	18697
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

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

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}.

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