

PTGES3 Antibody (clone JJ6)
Mouse Monoclonal Antibody
Catalog # ALS14976**Specification**

PTGES3 Antibody (clone JJ6) - Product Information

Application	WB
Primary Accession	Q15185
Reactivity	Human, Mouse, Rabbit, Pig, Chicken, Yeast, Guinea Pig
Host	Mouse
Clonality	Monoclonal
Calculated MW	19kDa kDa

PTGES3 Antibody (clone JJ6) - 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

Target/Specificity

Detects ~23 kD protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

PTGES3 Antibody (clone JJ6) is for research use only and not for use in diagnostic or therapeutic procedures.

PTGES3 Antibody (clone JJ6) - 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 (clone JJ6) - 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](#)

PTGES3 Antibody (clone JJ6) - Images



P23 (JJ6), Human cell line mix.

PTGES3 Antibody (clone JJ6) - Background

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).

PTGES3 Antibody (clone JJ6) - References

Johnson J.L., et al. Mol. Cell. Biol. 14:1956-1963(1994).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Scherer S.E., et al. Nature 440:346-351(2006).
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Bienvenut W.V., et al. Submitted (MAR-2009) to UniProtKB.