

Anti-p23 Monoclonal Antibody

Catalog # ABO14406

Product Information

Application	WB, IF, ICC, IP
Primary Accession	Q15185
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-p23 Monoclonal Antibody . Tested in WB, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

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
Calculated MW	18697
Application Details	WB 1:1000-1:5000 ICC/IF 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ACAH-16
Immunogen	A synthesized peptide derived from human p23 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.
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	PTGES3
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Synonyms

P23, TEBP

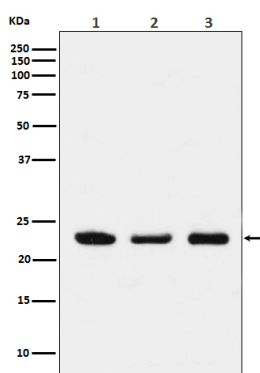
Function

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}.

Images



Western blot analysis of p23 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC12 cell lysate.

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