## Anti-p23 Antibody

Rabbit polyclonal antibody to p23
Catalog \# AP60373

## Specification

## Anti-p23 Antibody - Product Information

## Application

Primary Accession
Other Accession
Reactivity
Host
Clonality
Calculated MW

WB, IH
Q15185
Q9R0Q7
Human, Mouse, Rat, Monkey, Chicken, Bovine
Rabbit
Polyclonal 18697

## Anti-p23 Antibody - Additional Information

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

## Target/Specificity

Recognizes endogenous levels of p23 protein.

## Dilution

WB~~WB (1/500-1/1000), IH (1/100-1/200)
IH~~WB (1/500-1/1000), IH (1/100-1/200)

## Format

Liquid in 0.42\% Potassium phosphate, $0.87 \%$ Sodium chloride, pH 7.3, 30\% glycerol, and 0.09\% (W/V) sodium azide.

## Storage

Store at $-20^{\circ} \mathrm{C}$.Stable for 12 months from date of receipt

## Anti-p23 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:<a
href="http://www.uniprot.org/citations/10922363" target="_blank">10922363</a>). 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:<a href="http://www.uniprot.org/citations/11274138"
target="_blank">11274138</a>, PubMed:<a href="http://www.uniprot.org/citations/12077419" target="_blank">12077419</a>). Facilitates HIF alpha proteins hydroxylation via interaction with EGLN1/PHD2, leading to recruit EGLN1/PHD2 to the HSP90 pathway (PubMed:<a href="http://www.uniprot.org/citations/24711448" target="_blank">24711448</a>).

## Cellular Location

Cytoplasm \{ECO:0000250|UniProtKB:Q3ZBF7 \}.

## Anti-p23 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 Cytomety
- Cell Culture

Anti-p23 Antibody - Images


Western blot analysis of p23 expression in mouse lung (A), mouse testis (B), rat lung (C), rat testis (D) whole cell lysates.


Immunohistochemical analysis of p23 staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer ( pH 6.0 ). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

## Anti-p23 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human p23. The exact sequence is proprietary.

