

## Anti-p23 Monoclonal Antibody Catalog # ABO14406

### Specification

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#### Anti-p23 Monoclonal Antibody - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IF, ICC, IP        |
| Primary Accession | <a href="#">Q15185</a> |
| 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.

#### Anti-p23 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

#### Application Details

WB 1:1000-1:5000<br>ICC/IF 1:50-1:200<br>IP 1:50

#### 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.

#### 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.**

#### Anti-p23 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:<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

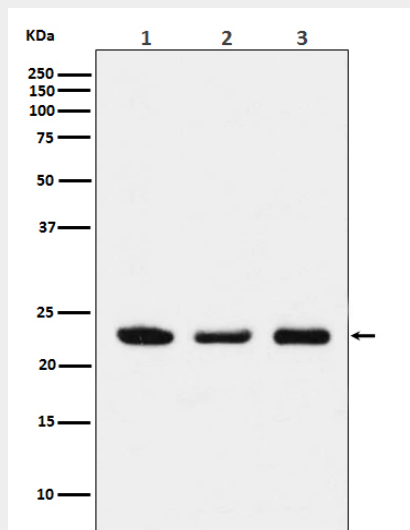
Cytoplasm {ECO:0000250|UniProtKB:Q3ZBF7}.

## Anti-p23 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](#)

## Anti-p23 Monoclonal Antibody - Images



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