

## p23 polyclonal antibody

Catalog: BS90999

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

P23, also known as PTGES3 (prostaglandin E synthase 3) or TEBP (telomerase-binding protein p23), is a ubiquitously expressed protein that functions as a cochaperone and plays an important role in signal transduction. One of several proteins in the HSP 90-based molecular chaperone complex, P23 promotes the breakdown of transcriptional regulatory complexes by disrupting receptor-mediated transcriptional activation. P23 acts in a hormone-dependent manner to chaperone estrogen receptor alpha (ER $\alpha$ ), a steroid complex, to its mature form and to regulate the expression of ER $\alpha$ -related genes. Localized to the cytoplasm, P23 interacts with the glucocorticoid receptor (GR) and, through disassembly of the GR transcription machinery, is thought to inhibit GR-dependent transcription. The involvement of P23 in various steroid receptor-mediated pathways suggests close involvement in signal transduction and regulation of cellular processes. Upregulation of P23 is implicated in the invasion and metastasis of various cancers.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

23 kDa

### Swiss-Prot:

Q15185(Human) Q9R0Q7(Mouse) P83868(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:100-1:500

IP:1:10-1:50

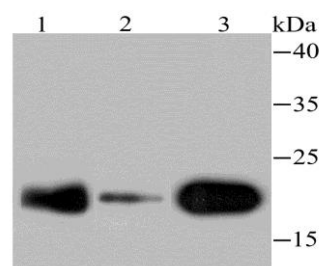
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

p23 polyclonal antibody detects endogenous levels of p23 protein.

### DATA:

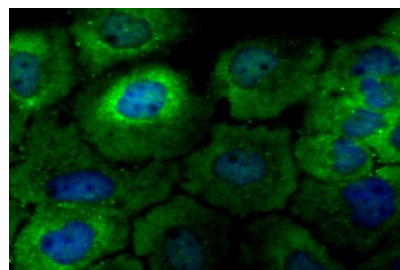


Western blot analysis of p23 on different lysates using anti-p23 antibody at 1/500 dilution. Positive control:

Lane 1: Mouse brain tissue

Lane 2: SK-Br-3

Lane 3: Rat lung tissue



ICC staining p23 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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