Product Datasheet

p23 Rabbit mAb

Catalog No: #49729

Package Size: #49729-1 50ul #49729-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

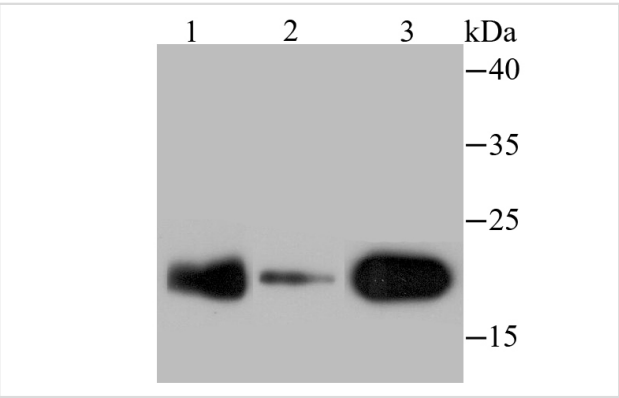
Description

Product Name	p23 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU09-31
Purification	ProA affinity purified
Applications	WB,ICC,IHC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	Co chaperone p23 antibody cPGES antibody Cytosolic prostaglandin E synthase antibody Cytosolic prostaglandin E2 synthase antibody Hsp90 co chaperone antibody Hsp90 co-chaperone antibody P23 antibody Progesterone receptor complex antibody Progesterone receptor complex p23 antibody Prostaglandin E synthase 3 (cytosolic) antibody Prostaglandin E synthase 3 antibody PTGES 3 antibody PTGES3 antibody Sid 3177 antibody TEBP antibody TEBP_HUMAN antibody Telomerase binding protein p23 antibody Telomerase-binding protein p23 antibody Unactive progesterone receptor 23 kD antibody
Accession No.	Swiss-Prot#:Q15185
Uniprot	Q15185
GeneID	10728;
Calculated MW	23 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

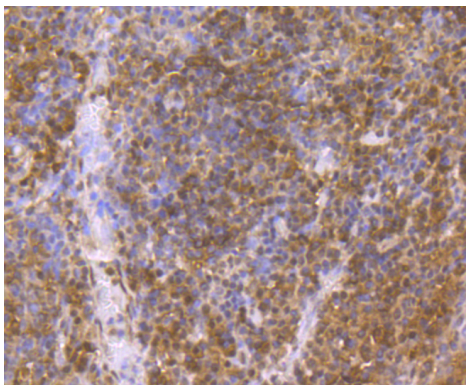
Application Details

WB: 1:500-1:2,000IHC: 1:100-1:500ICC: 1:50-1:200IP: 1:10-1:50

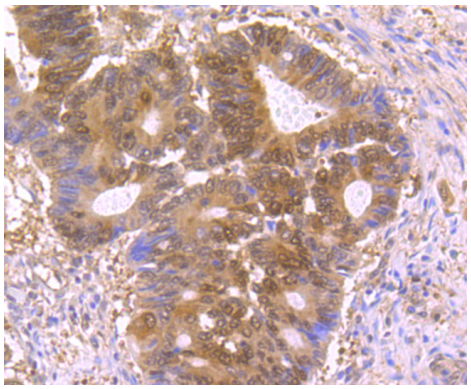
Images



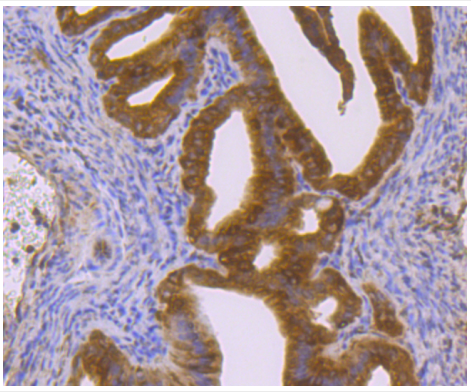
Western blot analysis of p23 on different lysates using anti-p23 antibody at 1/500 dilution. Positive control: Lane 1: Mouse brain tissue Lane 2: SK-Br-3 Lane 3: Rat lung tissue



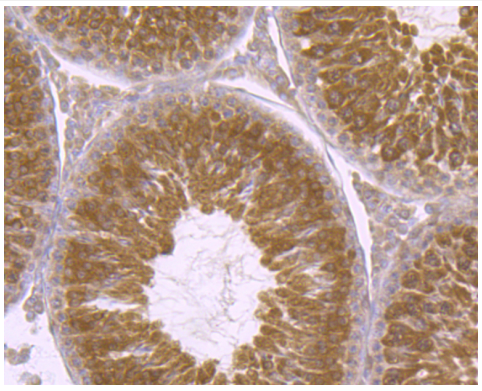
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-p23 antibody. Counter stained with hematoxylin.



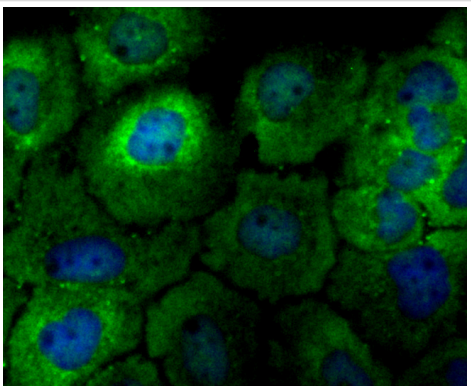
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-p23 antibody. Counter stained with hematoxylin.



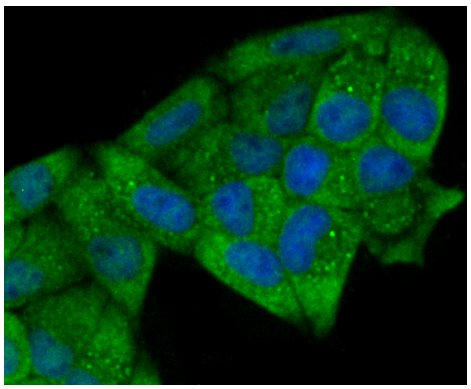
Immunohistochemical analysis of paraffin-embedded mouse fallopian tube tissue using anti-p23 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-p23 antibody. Counter stained with hematoxylin.



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.



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

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 (ERα), a steroid complex, to its mature form and to regulate the expression of ERα-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.

References

Note: This product is for in vitro research use only