

Anti-p23 Antibody

Rabbit polyclonal antibody to p23

Catalog # AP60373

Product Information

Application	WB, IHC
Primary Accession	Q15185
Other Accession	Q9R0Q7
Reactivity	Human, Mouse, Rat, Monkey, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18697

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), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (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 °C.Stable for 12 months from date of receipt

Protein Information

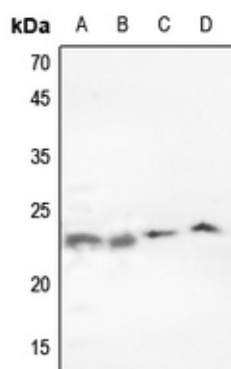
Name	PTGES3
Synonyms	P23, TEBP
Function	<p>Cytosolic prostaglandin synthase that catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2) (PubMed:10922363). Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts 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).</p> <p>Cytoplasm {ECO:0000250 UniProtKB:Q3ZBF7}.</p>

Cellular Location

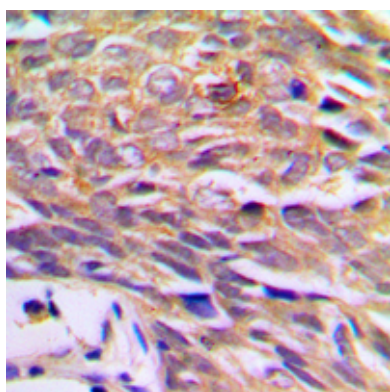
Background

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

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.

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