p23 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	p23, Polyclonal Antibody
Full Product Name	p23 (phospho Ser113) Polyclonal Antibody
Product Gene Name	anti-p23 antibody
Clonality	Polyclonal
Molecular Weight	16,476 Da
OMIM	607061
3D Structure	ModBase 3D Structure for Q15185
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-p23 antibody	MBS8520447 is an antibody targeting p23. Also known as p23 (phospho Ser113) Polyclonal Antibody.
Other Notes	Small volumes of anti-p23 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for p23. It may not necessarily be applicable to this product.

NCBI GI #	543583723
NCBI GeneID	10728
NCBI Accession #	NP_001269530.1
UniProt Primary Accession #	Q15185
UniProt Secondary Accession #	Q8WU70; A8K7D0; B4DHP2; B4DP11; B4DP21
UniProt Related Accession #	Q15185
GenBank Nucleotide #	NM_001282601.1
NCBI Official Full Name	prostaglandin E synthase 3 isoform b
NCBI Official Synonym Full Names	prostaglandin E synthase 3
NCBI Official Symbol	PTGES3
NCBI Official Synonym Symbols	P23; TEBP; cPGES
UniProt Protein Name	Prostaglandin E synthase 3
UniProt Synonym Protein Names	Cytosolic prostaglandin E2 synthase; cPGES; Hsp90 co-chaperone; Progesterone receptor complex p23; Telomerase-binding protein p23
Protein Family	Protein
UniProt Gene Name	PTGES3
UniProt Synonym Gene Names	P23; TEBP; cPGES
NCBI Protein Information	prostaglandin E synthase 3

NCBI Summary for p23	This gene encodes an enzyme that converts prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2). This protein functions as a co-chaperone with heat shock protein 90 (HSP90), localizing to response elements in DNA and disrupting transcriptional activation complexes. Alternative splicing results in multiple transcript variants. There are multiple pseudogenes of this gene on several different chromosomes. [provided by RefSeq, Feb 2016]
UniProt Comments for p23	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).
Research Articles on p23	**1.** dysregulation of GR, MR, FKBP5, and PTGES3 in autistic spectrum disorder (ASD) and suggest a possible role of inflammation in altered GR function in ASD.
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