

Phospho-GATA6(Y271) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3536a**Specification**

Phospho-GATA6(Y271) Antibody Blocking peptide - Product InformationPrimary Accession [Q92908](#)**Phospho-GATA6(Y271) Antibody Blocking peptide - Additional Information**

Gene ID 2627

Other Names

Transcription factor GATA-6, GATA-binding factor 6, GATA6

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP3536a](/products/AP3536a) was selected from the region of human Phospho-GATA6-pY271. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-GATA6(Y271) Antibody Blocking peptide - Protein Information

Name GATA6

Function

Transcriptional activator (PubMed: [19666519](http://www.uniprot.org/citations/19666519), PubMed: [27756709](http://www.uniprot.org/citations/27756709), PubMed: [22750565](http://www.uniprot.org/citations/22750565), PubMed: [22824924](http://www.uniprot.org/citations/22824924)). Regulates SEMA3C and PLXNA2 (PubMed: [19666519](http://www.uniprot.org/citations/19666519)). Involved in gene regulation specifically in the gastric epithelium (PubMed: [9315713](http://www.uniprot.org/citations/9315713)). May regulate genes that protect epithelial cells from bacterial infection (PubMed: [16968778](http://www.uniprot.org/citations/16968778)). Involved in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression (By similarity). Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions (By

similarity). In human skin, controls several physiological processes contributing to homeostasis of the upper pilosebaceous unit. Triggers ductal and sebaceous differentiation as well as limits cell proliferation and lipid production to prevent hyperseborrhoea. Mediates the effects of retinoic acid on sebocyte proliferation, differentiation and lipid production. Also contributes to immune regulation of sebocytes and antimicrobial responses by modulating the expression of anti-inflammatory genes such as IL10 and pro-inflammatory genes such as IL6, TLR2, TLR4, and IFNG. Activates TGFB1 signaling which controls the interfollicular epidermis fate (PubMed:33082341).

Cellular Location

Nucleus

Tissue Location

Expressed in heart, gut and gut-derived tissues. Expressed in skin upper pilosebaceous unit. Expression is decreased or lost in acne lesions (PubMed:33082341).

Phospho-GATA6(Y271) Antibody Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Phospho-GATA6(Y271) Antibody Blocking peptide - Images**Phospho-GATA6(Y271) Antibody Blocking peptide - Background**

GATA6 may be important for regulating terminal differentiation and/or proliferation.

Phospho-GATA6(Y271) Antibody Blocking peptide - References

Kwei,K.A., PLoS Genet. 4 (5), E1000081 (2008)Ghatnekar,A., Biochim. Biophys. Acta 1779 (3), 145-151 (2008)