

Phospho-GATA6(Y271) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3536a

Specification

Phospho-GATA6(Y271) Antibody - Product Information

Application	WB, DB, E
Primary Accession	O92908
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Phospho-GATA6(Y271) Antibody - Additional Information

Gene ID 2627

Other Names

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

Target/Specificity

This GATA6 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y271 of human GATA6.

Dilution

WB~~1:1000

DB~~1:500

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Phospho-GATA6(Y271) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-GATA6(Y271) Antibody - Protein Information

Name GATA6

Function Transcriptional activator (PubMed:[19666519](#), PubMed:[22750565](#), PubMed:[22824924](#), PubMed:[27756709](#)). Regulates SEMA3C and PLXNA2 (PubMed:[19666519](#)). Involved in gene regulation specifically in the gastric epithelium (PubMed:[9315713](#)). May regulate genes that

protect epithelial cells from bacterial infection (PubMed:[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

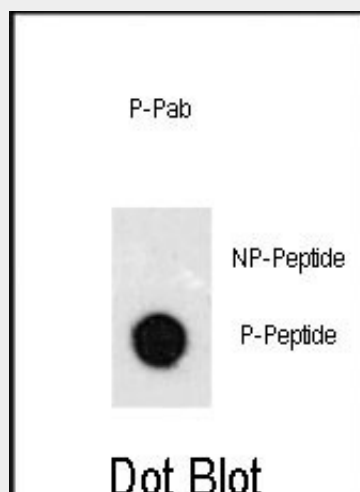
Expressed in heart, gut and gut-derived tissues. Expressed in skin upper pilosebaceous unit. Expression is decreased or lost in acne lesions (PubMed:33082341).

Phospho-GATA6(Y271) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-GATA6(Y271) Antibody - Images



Dot blot analysis of anti-Phospho-GATA6-pY271 Phospho-specific Pab (RB15308) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

Phospho-GATA6(Y271) Antibody - Background

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

Phospho-GATA6(Y271) Antibody - References

Kwei,K.A., PLoS Genet. 4 (5), E1000081 (2008)

Ghatnekar,A., Biochim. Biophys. Acta 1779 (3), 145-151 (2008)