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GATA6-Y271 Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5065D

Specification

GATA6-Y271 Antibody - Product Information

Application	**WB,E**
Primary Accession	Q92908
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**254-279**

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 peptide between 254-279 amino acids from human GATA6.

Dilution
WB~~1:1000
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
GATA6-Y271 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

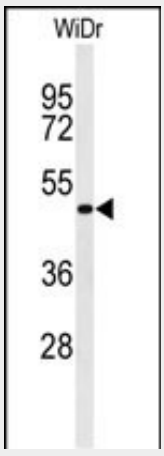
Tissue Location
Expressed in heart, gut and gut-derived tissues. Expressed in skin upper pilosebaceous unit. Expression is decreased or lost in acne lesions (PubMed:33082341).

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 Cytomety
- Cell Culture

GATA6-Y271 Antibody - Images



Western blot analysis of Phospho-GATA6-pY271 (Cat. #AP5065d) in WiDr cell line lysates (35ug/lane).GATA6 (arrow) was detected using the purified Pab.

GATA6-Y271 Antibody - Background

GATA6 is thought to be important for regulating terminal differentiation and/or proliferation.

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GATA6-Y271 Antibody - References

Capo-chichi, C.D., et al. Mol. Cell. Biol. 29(17):4766-4777(2009) Nakamura, Y., et al. Endocrinology 150(9):4145-4153(2009) Tan, N.Y., et al. Circ. Res. 105(5):422-430(2009)