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GATA6 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52675

Specification

GATA6 Antibody - Product Information

Application	**WB**
Primary Accession	Q92908
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**60 KDa**

GATA6 Antibody - Additional Information

Gene ID 2627

Other Names
Gata binding factor 6;Gata binding protein 6;GATA-binding factor 6;Gata6;GATA6_HUMAN; Transcription factor Gata 6;Transcription factor GATA-6.

Dilution
WB~~1:200

Format
ascites

Storage
Store at -20 °C.Stable for 12 months from date of receipt

GATA6 Antibody - Protein Information

Name GATA6

Function
Transcriptional activator (PubMed:19666519, PubMed:27756709, PubMed:22750565, PubMed:22824924). 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

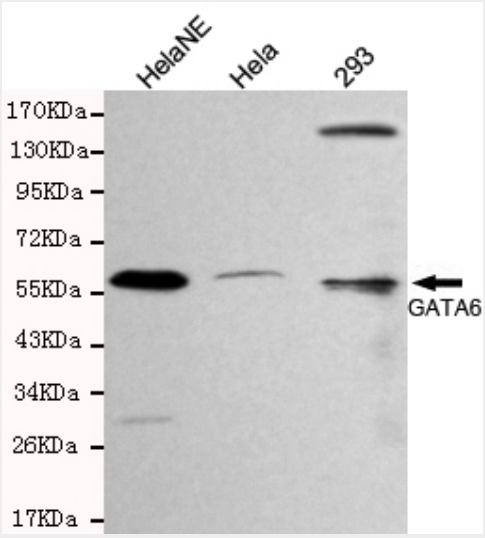
Tissue Location
Expressed in heart, gut and gut-derived tissues. Expressed in skin upper pilosebaceous unit. Expression is decreased or lost in acne lesions (PubMed:33082341).

GATA6 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 Antibody - Images



Western blot detection of GATA6 in HelaNE,Hela and 293 cell lysates and using GATA6 mouse mAb (1:200 diluted).Predicted band size: 45KDa.Observed band size: 60KDa.

GATA6 Antibody - Background

Transcriptional activator that regulates SEMA3C and PLXNA2. Thought to be important for regulating terminal differentiation and/or proliferation. Involved in gene regulation specifically in the

gastric epithelium. Involved in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression. Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions (By similarity).

GATA6 Antibody - References

Suzuki E.,et al.Genomics 38:283-290(1996).
Huggon I.C.,et al.Biochim. Biophys. Acta 1353:98-102(1997).
Yoshida T.,et al.FEBS Lett. 414:333-337(1997).
Nusbaum C.,et al.Nature 437:551-555(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.