

**Gata6 Antibody**  
**Rabbit mAb**  
**Catalog # AP91477**

## Specification

---

### Gata6 Antibody - Product Information

Application	<b>WB, ICC</b>
Primary Accession	<a href="#">O92908</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
Gata binding factor 6; GATA-binding factor 6; Gata6; Transcription factor Gata 6;	

Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>60033 Da</b>

### Gata6 Antibody - Additional Information

Dilution	<b>WB~~1:1000</b> <b>ICC~~N/A</b>
Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human Gata 6</b>
Description	<b>Thought to be important for regulating terminal differentiation and/or proliferation.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### Gata6 Antibody - Protein Information

**Name** GATA6

#### Function

Transcriptional activator (PubMed: [19666519](http://www.uniprot.org/citations/19666519), PubMed: [22750565](http://www.uniprot.org/citations/22750565), PubMed: [22824924](http://www.uniprot.org/citations/22824924), PubMed: [27756709](http://www.uniprot.org/citations/27756709)). 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:<a href="http://www.uniprot.org/citations/33082341" target="\_blank">33082341</a>).

#### Cellular Location

Nucleus

#### Tissue Location

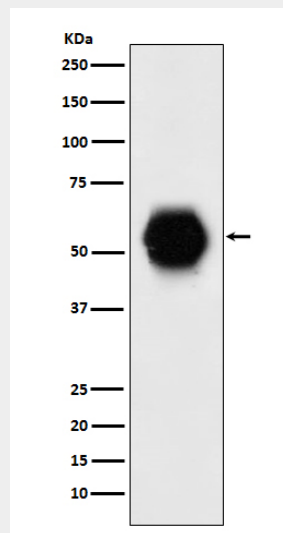
Expressed in heart, gut and gut-derived tissues. Expressed in skin upper pilosebaceous unit. Expression is decreased or lost in acne lesions (PubMed:33082341).

### 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 Cytometry](#)
- [Cell Culture](#)

### Gata6 Antibody - Images



Western blot analysis of Gata 6 expression in human fetal heart lysate.