

# Anti-Gata6 Rabbit Monoclonal Antibody

Catalog # ABO15212

## Product Information

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|--------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IF, ICC                                                                                                 |
| <b>Primary Accession</b> | <a href="#">Q92908</a>                                                                                      |
| <b>Host</b>              | Rabbit                                                                                                      |
| <b>Isotype</b>           | IgG                                                                                                         |
| <b>Reactivity</b>        | Human                                                                                                       |
| <b>Clonality</b>         | Monoclonal                                                                                                  |
| <b>Format</b>            | Liquid                                                                                                      |
| <b>Description</b>       | Anti-Gata6 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human. |

## Additional Information

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| <b>Gene ID</b>             | 2627                                                                                                                                       |
| <b>Other Names</b>         | Transcription factor GATA-6, GATA-binding factor 6, GATA6                                                                                  |
| <b>Calculated MW</b>       | 60033                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>ICC/IF 1:50-1:200                                                                                                       |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 17G88                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human Gata 6                                                                                            |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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| <b>Name</b>     | GATA6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Function</b> | Transcriptional activator (PubMed: <a href="#">19666519</a> , PubMed: <a href="#">22750565</a> , PubMed: <a href="#">22824924</a> , PubMed: <a href="#">27756709</a> ). Regulates SEMA3C and PLXNA2 (PubMed: <a href="#">19666519</a> ). Involved in gene regulation specifically in the gastric epithelium (PubMed: <a href="#">9315713</a> ). May regulate genes that protect epithelial cells from bacterial infection (PubMed: <a href="#">16968778</a> ). 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**

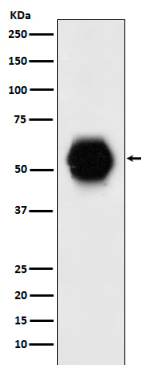
Nucleus

**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).

## Images

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

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