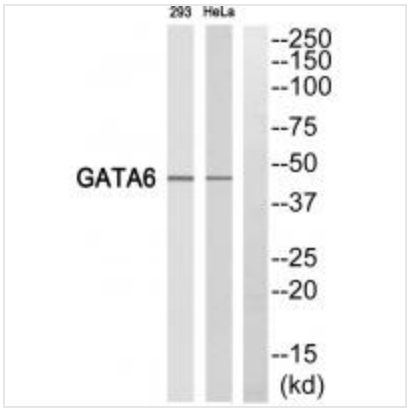
# GATA6 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | GATA6, Polyclonal Antibody |
| **Full Product Name** | GATA6 Antibody |
| **Product Gene Name** | anti-GATA6 antibody |
| **Product Synonym Names** | Transcription factor GATA-6; GATA-binding factor 6; GATA6 |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purity/Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Concentration** | 1.0 mg/ml (lot specific) |
| **Specificity** | The antibody detects endogenous levels of total GATA6 protein. |
| **Preparation and Storage** | Store at -20 degree C |
| **Molecular Weight** | 45,386 Da |
| **OMIM** | 187500 |
| **3D Structure** | ModBase 3D Structure for Q92908 |
| **Immunogen Type** | Peptide |
| **Immunogen Description** | Synthesized peptide derived from C-terminal of human GATA6. |
| **Target Name** | GATA6 |
| **Product Categories/Family for anti-GATA6 antibody** | Total protein Ab |
| **Applications Tested/Suitable for anti-GATA6 antibody** | Western Blot (WB) |
| **Application Notes for anti-GATA6 antibody** | Western blotting: 1:500~1:3000 |
| **Related Product Information for anti-GATA6 antibody** | Transcriptional activator that regulates SEMA3C and PLXNA2. Thought to be important for regulating terminal differentiation and/or proliferation.Suzuki E., Genomics 38:283-290(1996).Huggon I.C., Biochim. Biophys. Acta 1353:98-102(1997).Yoshida T., FEBS Lett. 414:333-337(1997). |
| **Other Notes** | Small volumes of anti-GATA6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for GATA6 purchase** | MBS9401890 is an antibody targeting GATA6. Also known as GATA6 Antibody. Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-GATA6 antibody**
Western blot analysis of extracts from 293 cells and HeLa cells, using GATA6 antibody.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GATA6. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 40288197 |
| **NCBI GeneID** | 2627 |
| **NCBI Accession #** | NP_005248.2 |
| **UniProt Primary Accession #** | Q92908 |
| **UniProt Secondary Accession #** | P78327; B0YJ17 |
| **UniProt Related Accession #** | Q92908 |
| **GenBank Nucleotide #** | NM_005257.5 |
| **NCBI Official Full Name** | transcription factor GATA-6 |
| **NCBI Official Synonym Full Names** | GATA binding protein 6 |
| **NCBI Official Symbol** | GATA6 |
| **UniProt Protein Name** | Transcription factor GATA-6 |
| **UniProt Synonym Protein Names** | GATA-binding factor 6 |
| **Protein Family** | GATA transcription factor |
| **UniProt Gene Name** | GATA6 |
| **UniProt Entry Name** | GATA6_HUMAN |
| **NCBI Protein Information** | transcription factor GATA-6 |
| **NCBI Summary for GATA6** | This gene is a member of a small family of zinc finger transcription factors that play an important role in the regulation of cellular differentiation and organogenesis during vertebrate development. This gene is expressed during early embryogenesis and localizes to endo- and mesodermally derived cells during later embryogenesis and thereby plays an important role in gut, lung, and heart development. Mutations in this gene are associated with several congenital defects. [provided by RefSeq, Mar 2012] |

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| **UniProt Comments for GATA6** | GATA6: Transcriptional activator that regulates SEMA3C and PLXNA2. Thought to be important for regulating terminal differentiation and/or proliferation. Interacts with LMCD1. Expressed in heart, gut and gut-derived tissues. 2 isoforms of the human protein are produced by alternative initiation.<br><br>Protein type: Transcription factor; Motility/polarity/chemotaxis<br><br>Chromosomal Location of Human Ortholog: 18q11.1-q11.2<br><br>Cellular Component: nucleoplasm; transcription factor complex; nucleus<br><br>Molecular Function: RNA polymerase II transcription factor activity, enhancer binding; protein binding; zinc ion binding; chromatin binding; protein kinase binding; transcription factor binding; transcription factor activity<br><br>Biological Process: cardiac muscle hypertrophy; transcription from RNA polymerase II promoter; response to drug; endodermal cell fate determination; organ formation; in utero embryonic development; male gonad development; negative regulation of transcription from RNA polymerase II promoter; liver development; cardiac muscle cell differentiation; negative regulation of transforming growth factor-beta1 production; negative regulation of transforming growth factor-beta2 production; positive regulation of angiogenesis; response to estrogen stimulus; phospholipid metabolic process; positive regulation of cardioblast differentiation; smooth muscle cell differentiation; positive regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent; blood coagulation; tube morphogenesis; positive regulation of cardiac muscle cell proliferation; negative regulation of apoptosis<br><br>Disease: Conotruncal Heart Malformations; Atrial Septal Defect 9; Heart Defects, Congenital, And Other Congenital Anomalies; Tetralogy Of Fallot; Atrioventricular Septal Defect 5 |
| **Research Articles on GATA6** | **1.** GATA6 expression is progressively increased during Barrett's oesophagus development and its malignant transformation to esophageal adenocarcinoma. |
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