

GATA4 Antibody (aa330-380)
Rabbit Polyclonal Antibody
Catalog # ALS15276**Specification**

GATA4 Antibody (aa330-380) - Product Information

Application	WB, IHC
Primary Accession	P43694
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45kDa KDa

GATA4 Antibody (aa330-380) - Additional Information**Gene ID** 2626**Other Names**

Transcription factor GATA-4, GATA-binding factor 4, GATA4

Target/Specificity

Human GATA4

Reconstitution & Storage

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

Precautions

GATA4 Antibody (aa330-380) is for research use only and not for use in diagnostic or therapeutic procedures.

GATA4 Antibody (aa330-380) - Protein Information**Name** GATA4**Function**

Transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and plays a key role in cardiac development and function (PubMed:24000169, PubMed:27984724, PubMed:35182466). In cooperation with TBX5, it binds to cardiac super-enhancers and promotes cardiomyocyte gene expression, while it down-regulates endocardial and endothelial gene expression (PubMed:27984724). Involved in bone morphogenetic protein (BMP)-mediated induction of cardiac-specific gene expression. Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions (By similarity). Acts as a transcriptional activator of ANF in cooperation with NKX2-5 (By similarity). Promotes cardiac myocyte enlargement (PubMed:20081228). Required during testicular development (PubMed:20081228).

href="http://www.uniprot.org/citations/21220346" target="_blank">21220346). May play a role in sphingolipid signaling by regulating the expression of sphingosine-1-phosphate degrading enzyme, sphingosine-1-phosphate lyase (PubMed:15734735).

Cellular Location

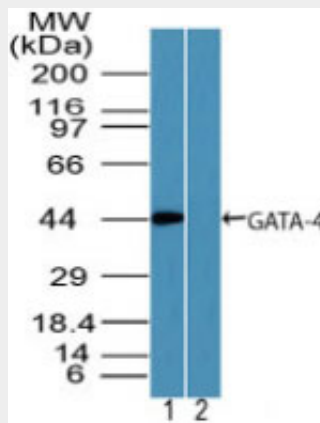
Nucleus

GATA4 Antibody (aa330-380) - Protocols

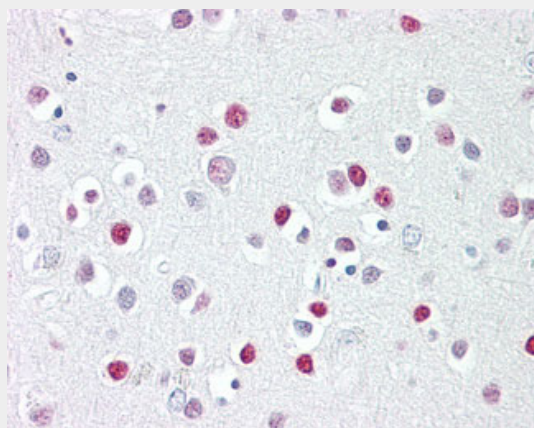
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

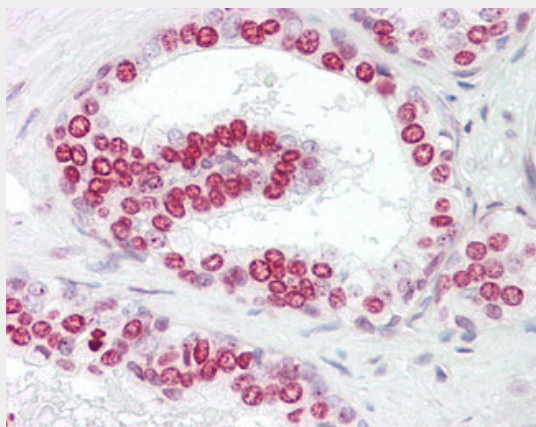
GATA4 Antibody (aa330-380) - Images



Western blot of GATA-4 in human kidney lysate in the 1) absence and 2) presence of immunizing...



Anti-GATA4 antibody IHC of human brain, cortex.



Anti-GATA4 antibody IHC of human prostate.

GATA4 Antibody (aa330-380) - Background

Transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and plays a key role in cardiac development. Involved in bone morphogenetic protein (BMP)-mediated induction of cardiac-specific gene expression. Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions. Acts as a transcriptional activator of ANF in cooperation with NKX2-5. Promotes cardiac myocyte enlargement. Required during testicular development.

GATA4 Antibody (aa330-380) - References

- Huang W.Y.,et al.Gene 155:219-223(1995).
- Palaszewski I.,et al.Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
- Nusbaum C.,et al.Nature 439:331-335(2006).
- Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).
- Sunagawa Y.,et al.J. Biol. Chem. 285:9556-9568(2010).