

## ARG55113 anti-GATA3 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes GATA3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GATA3
Species	Human
Immunogen	Synthetic peptide (17 aa) within aa. 340-390 of Human GATA3 protein.
Conjugation	Un-conjugated
Alternate Names	Trans-acting T-cell-specific transcription factor GATA-3; GATA-binding factor 3; HDR; HDRS

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	IHC-P	1:50 - 1:400
	WB	1 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human Brain Tissue Lysate	

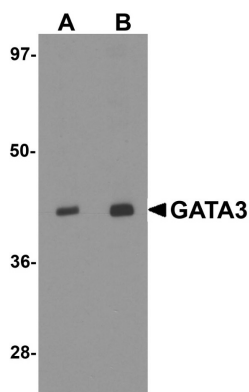
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

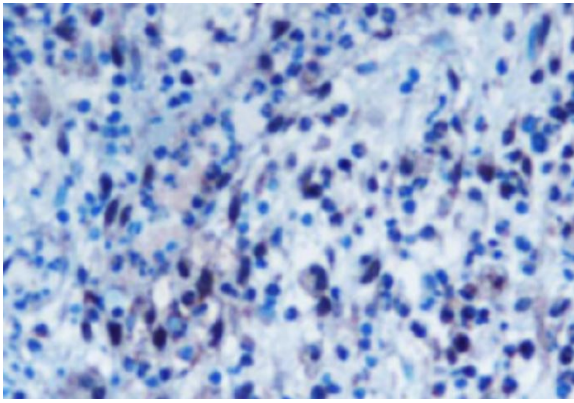
Database links	<a href="#">GeneID: 14462 Mouse</a> <a href="#">GeneID: 2625 Human</a> <a href="#">Swiss-port # P23771 Human</a> <a href="#">Swiss-port # P23772 Mouse</a>
Gene Symbol	GATA3
Gene Full Name	GATA binding protein 3
Background	GATA3 Antibody: GATA3 is a zinc finger transcription factor that was first recognized as a possible determinant of T cell development. Later studies demonstrated that it is expressed in trophoblast giant cells and regulates trophoblast-specific genes during development. Specifically, GATA3 is selectively expressed in the trophectoderm of the peri-implantation embryo and regulates CDX2, which is required for the transcriptional repression of the POU5F1/Oct4 and NANOG genes and is thus essential for the segregation of the inner cell mass and trophectoderm at the blastocyst stage. Decreased or null-expression expression of GATA3 has also been suggested to play a major role in the development and progression of luminal breast cancer.
Function	Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses. [UniProt]
Research Area	Controls and Markers antibody; Developmental Biology antibody; Gene Regulation antibody; Immune System antibody
Calculated Mw	48 kDa

Images



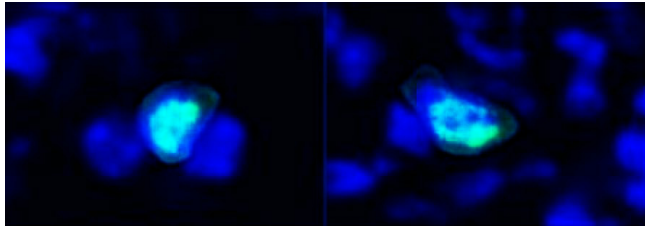
ARG55113 anti-GATA3 antibody WB image

Western blot: human brain tissue lysate stained with ARG55113 anti-GATA3 antibody at (A) 1 and (B) 2 ug/ml dilution.



ARG55113 anti-GATA3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human airway tissue stained with ARG55113 anti-GATA3 antibody. Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0).



ARG55113 anti-GATA3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded virus infected Mouse lung tissue stained with ARG55113 anti-GATA3 antibody (green) at 1:100 dilution. Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0).