

Rabbit GATA3 Polyclonal Antibody | anti-GATA3 antibody

GATA3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322269	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GATA3; Polyclonal Antibody; GATA3 Antibody; GATA 3; GATA binding factor 3; GATA binding protein 3; GATA-binding factor 3; Gata3; GATA3_HUMAN; HDR; HDRS; MGC2346; MGC5199; MGC5445; Trans acting T cell specific transcription factor GATA 3; Trans-acting T-cell-specific transcription factor GATA-3; DCML; Endothelial transcription factor GATA 2; Endothelial transcription factor GATA-2; Endothelial transcription factor GATA2; FLJ45948; GATA 2; GATA binding protein 2; GATA-binding protein 2; Gata2; GATA2_HUMAN; IMD21; MGC2306; MONOMAC; NFE 1B; NFE1B; OTTHUMP00000216240; anti-GATA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GATA3 antibody detects endogenous levels of total GATA3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	444
Applicable Applications for anti-GATA3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GATA3
Subcellular Location	Nucleus.
Tissue Specificity	T-cells and endothelial cells.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of various smaple, using GATA3 Antibody.



IHC (Immunohistochemisry)
AAA322269 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA322269 staining MCF-7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of GATA3 expression in HeLa whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GATA3 antibody	Description: GATA2 Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'-AGATAG-3'. Endothelial cells. 2 isoforms of the human protein are produced by alternative splicing. 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. Subunit Structure: Interacts with TBX21 ('Tyr-530' phosphorylated form). Similarity: Binds DNA via the 2 GATA-type zinc fingers. Each zinc finger may bind either adjacent sites in a palindromic motif, or a different DNA molecule allowing looping and long-range gene regulation.The YxKxHxxxRP motif is critical for DNA-binding and function.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50541959
NCBI GeneID	2625
NCBI Accession #	NP_001002295.1
NCBI GenBank Nucleotide #	NM_001002295.1
UniProt Accession #	P23771; Q5VWG7; Q5VWG8; Q96J16
Molecular Weight	Observed: 47 kDa Predicted: 48 kDa
NCBI Official Full Name	trans-acting T-cell-specific transcription factor GATA-3 isoform 1
NCBI Official Synonym Full Names	GATA binding protein 3
NCBI Official Symbol	GATA3
NCBI Official Synonym Symbols	HDR; HDRS
NCBI Protein Information	trans-acting T-cell-specific transcription factor GATA-3
UniProt Protein Name	Trans-acting T-cell-specific transcription factor GATA-3
UniProt Gene Name	GATA3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gata3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322269>