

Rabbit GATA4 Polyclonal Antibody | anti-GATA4 antibody

Phospho-GATA4 (Ser105) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321624	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

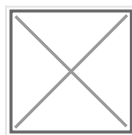
PRODUCT SYNONYMS

GATA4; Polyclonal Antibody; Phospho-GATA4 (Ser105) Antibody; ASD2; GATA 4; GATA binding protein 4; GATA-binding factor 4; gata4; GATA4_HUMAN; MGC126629; Transcription factor GATA 4; Transcription factor GATA-4; Transcription factor GATA4; VSD1; anti-GATA4 antibody

PRODUCT SPECIFICATIONS

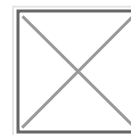
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-GATA4 (Ser105) antibody detects endogenous levels of GATA4 only when phosphorylated at Serine 105
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-GATA4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GATA4 around the phosphorylation site of Serine 105.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



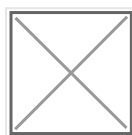
IF (Immunofluorescence)

AAA321624 staining HeLa cells (4h of LPS treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with Primary Ab (AAA321624 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG (H+L) Ab (Red) and an AlexaFluor488 conjugated goat anti-mouse IgG (H+L) Ab (Green) were used as secondary Ab.



IHC (Immunohistochemistry)

AAA321624 at 1/200 staining Rat spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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.



WB (Western Blot)

Western blot analysis of extracts from rat heart/mouse heart, using Phospho-GATA4 (Ser105) Ab. -/+ means absence or presence of N peptide(non-phosphopeptide) and P peptide(phospho peptide)

ADDITIONAL INFORMATION

Related Product Information for anti-GATA4 antibody	This gene encodes a member of the GATA family of zinc-finger transcription factors. Members of this family recognize the GATA motif which is present in the promoters of many genes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	815890849
NCBI GeneID	2626
NCBI Accession #	NP_001295022.1
NCBI GenBank Nucleotide #	NM_001308093.1
UniProt Accession #	P43694; Q3MJ45; Q5IFM8; B7ZKX0; B7ZKZ4
Molecular Weight	44 kDa
NCBI Official Full Name	transcription factor GATA-4 isoform 1
NCBI Official Synonym Full Names	GATA binding protein 4
NCBI Official Symbol	GATA4
NCBI Official Synonym Symbols	TOF; ASD2; VSD1; TACHD
NCBI Protein Information	transcription factor GATA-4
UniProt Protein Name	Transcription factor GATA-4
UniProt Gene Name	GATA4

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.