

GATA4 (Phospho-Ser105) Antibody

Catalog No: #12044



Package Size: #12044-1 50ul #12044-2 100ul

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Description

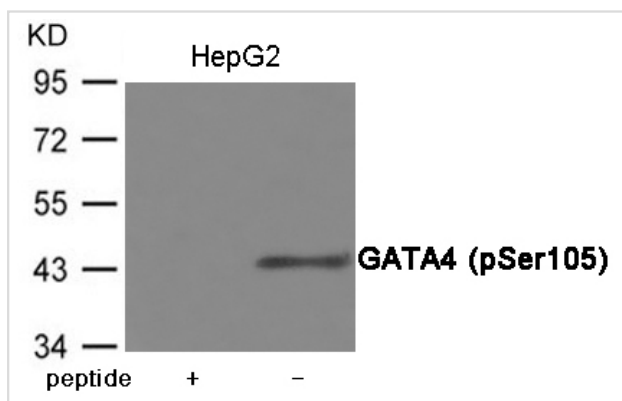
Product Name	GATA4 (Phospho-Ser105) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of GATA4 only when phosphorylated at Serine 105.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 105 (P-V-S(p)-P-R) derived from Human GATA4.
Conjugates	Unconjugated
Target Name	GATA4
Modification	Phospho
Other Names	ASD2, VSD1
Accession No.	Swiss-Prot#: P43694; NCBI Gene#: 2626; NCBI Protein#: NP_002043.2
SDS-PAGE MW	44kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Predicted MW: 44kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 cells using GATA4 (Phospho-Ser105) Antibody #12044. The lane on the left is treated with the antigen-specific peptide.

Background

Transcriptional activator. Binds to the consensus sequence 5'-AGATAG-3'. Acts as a transcriptional activator of ANF in cooperation with NKX2-5. Promotes cardiac myocyte enlargement.

Published Papers

el et al., Low-dose radiation affects cardiac physiology: gene networks and molecular signaling in cardiomyocytes. In *Am J Physiol Heart Circ Physiol* on 2015 Dec 1 by Matthew A Coleman, Sharath P Sasi, et al.. PMID:26408534, , (2015)

[PMID:26408534](https://pubmed.ncbi.nlm.nih.gov/26408534/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.