

Rabbit anti-Human Phospho-GATA6 (Y271) Polyclonal Antibody | anti-GATA6 antibody

Phospho-GATA6 (Y271) Antibody

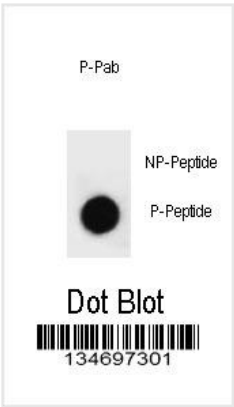
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286018	Rabbit	Human	ELISA, Dot Blot, Immunofluorescence

PRODUCT SYNONYMS

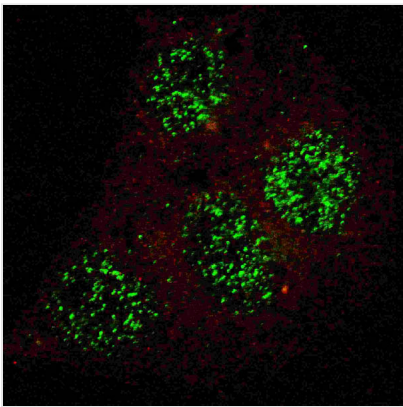
Phospho-GATA6 (Y271); Polyclonal Antibody; Phospho-GATA6 (Y271) Antibody; GATA6; Transcription factor GATA-6; GATA-binding factor 6; anti-GATA6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Phospho-GATA6-Y271 antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide surrounding Y271 of human GATA6, isoform 2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	595
Applicable Applications for anti-GATA6 antibody	ELISA, DB (Dot Blot), IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



DB (Dot Blot)
Dot blot analysis of Phospho-GATA6-pY271 Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.



IF (Immunofluorescence)
Fluorescent confocal image of HepG2 cells stained with phospho-GATA6-Y271 antibody. HepG2 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA286018 phospho-GATA6-Y271 primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). Note the highly specific localization of the phospho-GATA6 immunosignal mainly to the nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-GATA6 antibody	Thought to be important for regulating terminal differentiation and/or proliferation.
Product Categories/Family for anti-GATA6 antibody	Phospho Antibodies
References	References for protein: 1.Artus, J., et al. Development 137(20):3361-3372(2010) 2.Lin, X., et al. J. Hum. Genet. 55(10):662-667(2010) 3.Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) 4.Thye, T., et al. Nat. Genet. 42(9):739-741(2010) 5.Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) References for HepG2 cell line: 1. Knowles BB, et al. (1980). Human hepatocellular carcinoma cell lines secrete the major plasma proteins and hepatitis B surface antigen. Science 209: 497-499.[PubMed: 6248960]. 2. Darlington GJ, et al. (1987). Growth and hepatospecific gene expression of human hepatoma cells in a defined medium. In Vitro Cell. Dev. Biol. 23: 349-354.[PubMed: 3034851]. 3. Ihrke, G; Neufeld, EB; Meads, T; Shanks, MR; Cassio, D; Laurent, M; Schroer, TA; Pagano, RE et al. (1993). "WIF-B cells: an in vitro model for studies of hepatocyte polarity". Journal of Cell Biology 123 (6): 1761-1775. [PubMed:7506266]. 4. Mersch-Sundermann, V.; Knasmüller, S.; Wu, X. J.; Darroudi, F.; Kassie, F. (2004). "Use of a human-derived liver cell line for the detection of cytoprotective, antigenotoxic and cogenotoxic agents". Toxicology 198 (1-3): 329-340. [PubMed:15138059].

NCBI AND UNIPROT INFORMATION

NCBI GI #	40288197
NCBI GeneID	2627
NCBI Accession #	NP_005248.2
NCBI GenBank Nucleotide #	NM_005257.5
UniProt Accession #	Q92908 ; P78327 ; B0YJ17
Molecular Weight	60033

NCBI Official Full Name	transcription factor GATA-6
NCBI Official Synonym Full Names	GATA binding protein 6
NCBI Official Symbol	GATA6
NCBI Protein Information	transcription factor GATA-6
UniProt Protein Name	Transcription factor GATA-6
UniProt Gene Name	GATA6
UniProt Entry Name	GATA6_HUMAN

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://www.aaabiotech.com/polyclonal/phosho-gata6-y271-antibody-dot-blot-immunofluorescence-elisa/286018>