Datasheet for ABIN1696129

anti-GATA2 antibody (pSer401) (AbBy Fluor® 488)

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Overview

Quantity:	100 µL
Target:	GATA2
Binding Specificity:	pSer401
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GATA2 antibody is conjugated to AbBy Fluor® 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human GATA2 around the phosphorylation site of Ser401
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GATA2

Target Details

Alternative Name:	GATA2 (GATA2 Products)
Background:	Synonyms: GATA2 phospho S401, p-GATA2 phospho S401, GATA-2, GATA 2, GATA Binding Protein 2, GATA-binding protein 2, Gata2, GATA2_HUMAN, MGC2306, NFE 1B, NFE1B. Background: Members of the GATA family share a conserved zinc finger DNA-binding domain and are capable of binding the WGATAR consensus sequence. GATA-1 is erythroid-specific and is responsible for the regulated transcription of erythroid genes. It is an essential component in the generation of the erythroid lineage. GATA-2 is expressed in embryonic brain and liver, HeLa and endothelial cells, as well as in erythroid cells. Studies with a modified GATA consensus sequence, AGATCTTA, have shown that GATA-2 and GATA-3 recognize this mutated consensus while GATA-1 has poor recognition of this sequence. This indicates broader regulatory capabilities of GATA-2 and GATA-3 than GATA-1. GATA-3 is highly expressed in T lymphocytes. GATA-4, GATA-5 and GATA-6 comprise a subfamily of transcription factors. Both GATA-4 and GATA-6 are found in heart, pancreas and ovary, lung and liver tissues exhibit GATA-6, but not GATA-4 expression. GATA-5 expression has been observed in differentiated heart and gut tissues and is present throughout the course of development in the heart. Although expression patterns of the various GATA transcription factors may overlap, it is not yet apparent how the GATA factors are able to discriminate in binding their appropriate target sites.
Gene ID:	2624
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months