

Product datasheet

Anti-GATA3 antibody [7B5] ab98956

[2 Images](#)

Overview

Product name	Anti-GATA3 antibody [7B5]
Description	Mouse monoclonal [7B5] to GATA3
Host species	Mouse
Tested applications	Suitable for: ELISA, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Purified recombinant fragment of Human GATA3 expressed in E. Coli.
Positive control	GATA3-hlgFc transfected HEK293 cell lysate
General notes	This product was changed from ascites to supernatant. Lot no's high than GR157998-5 are from Tissue Culture Supernatant

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.03% Sodium Azide Constituents: Ascites
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	7B5
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab98956** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

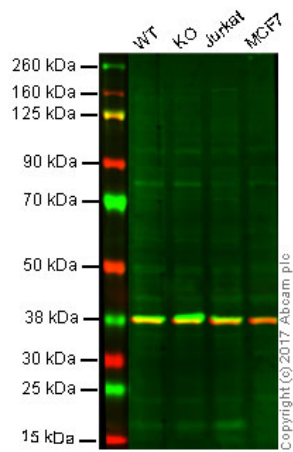
Application	Abreviews	Notes
ELISA		1/10000.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		1/500 - 1/2000. Predicted molecular weight: 48 kDa.

Target

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'.
Tissue specificity	T-cells and endothelial cells.
Involvement in disease	Defects in GATA3 are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia (HDR) [MIM:146255]; also known as Barakat syndrome.
Sequence similarities	Contains 2 GATA-type zinc fingers.
Cellular localization	Nucleus.
Form	There are 2 isoforms produced by alternative splicing.

Images



Western blot - Anti-GATA3 antibody [7B5] (ab98956)

Lane 1: Wild type HAP1 whole cell lysate (20 μ g)

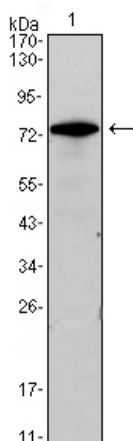
Lane 2: GATA3 knockout HAP1 whole cell lysate (20 μ g)

Lane 3: Jurkat whole cell lysate (20 μ g)

Lane 4: MCF7 whole cell lysate (20 μ g)

Lanes 1 - 4: Merged signal (red and green). Green - ab98956 observed at 47 kDa. Red - loading control, [ab181602](#), observed at 37 kDa.

ab98956 was shown not to specifically react with GATA3 when GATA3 knockout samples were used. Wild-type and GATA3 knockout samples were subjected to SDS-PAGE. ab98956 and [ab181602](#) (Rabbit anti-GAPDH loading control) were incubated overnight at 4°C at 1/500 dilution and 1/10000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed [ab216772](#) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed [ab216777](#) secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-GATA3 antibody [7B5] (ab98956)

Anti-GATA3 antibody [7B5] (ab98956) at 1/500 dilution + GATA3-hlgGFc transfected HEK293 cell lysate.

Predicted band size: 48 kDa

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