

Datasheet for ABIN6939498
anti-GATA3 antibody (AA 357-436)



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2 Images

Overview

Quantity:	100 µg
Target:	GATA3
Binding Specificity:	AA 357-436
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GATA3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Coating (Coat)

Product Details

Immunogen:	Recombinant fragment of human GATA3 protein (around aa 357-436) (exact sequence is proprietary)
Clone:	GATA3-2445
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	GATA3
Alternative Name:	GATA3 (GATA3 Products)
Background:	GATA-3 is a zinc finger transcription factor and plays an important role in promoting and

Target Details

directing cell proliferation, development, and differentiation in many tissues and cell types. GATA-3 expression is primarily seen in breast and urothelial carcinomas.'Therefore, GATA3 antibody can be useful in the identification of unknown primary carcinoma when carcinomas of the breast or bladder are a possibility.

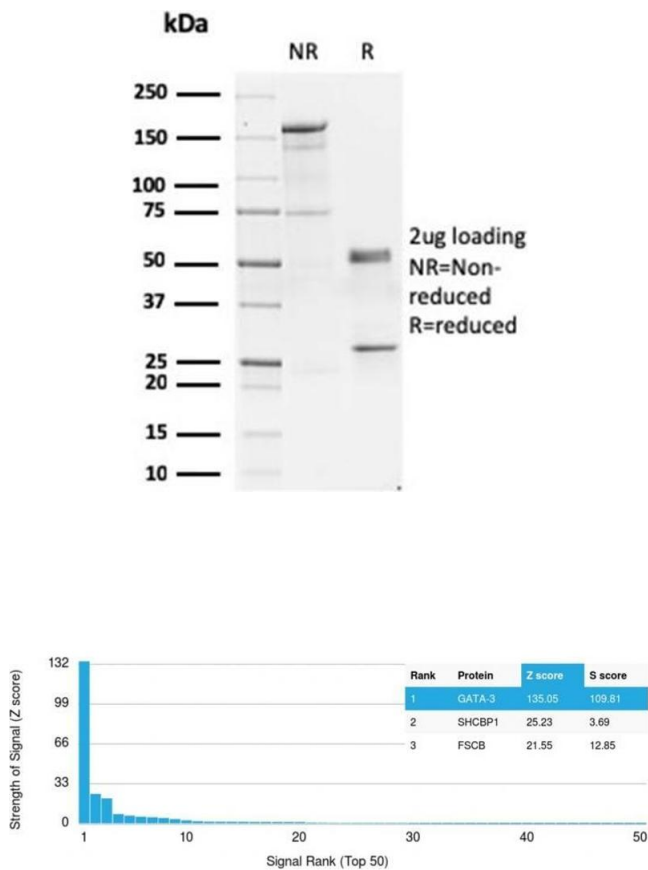
Molecular Weight:	50kDa
Gene ID:	2625
UniProt:	P23771
Pathways:	Hormone Transport , Regulation of Hormone Metabolic Process , Tube Formation

Application Details

Application Notes:	Positive Control: MCF-7 or T47D cells. Breast or Bladder Carcinoma. Known Application: ELISA (For coating, order antibody without BSA), Flow Cytometry (1-2 µg/million cells), Western Blot (0.5-1 µg/mL), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified GATA-3 Mouse Monoclonal Antibody (GATA3/2445). Confirmation of Purity and Integrity of Antibody

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using GATA-3 Mouse Monoclonal Antibody (GATA3/2445). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.