

Datasheet for ABIN6939495  
**anti-GATA3 antibody (AA 357-436)**[Go to Product page](#)

## 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:	GATA3-2441
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	GATA3
Alternative Name:	GATA3 ( <a href="#">GATA3 Products</a> )
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.

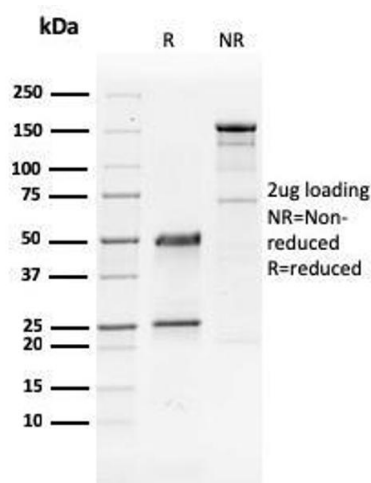
Preservative: Sodium azide

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

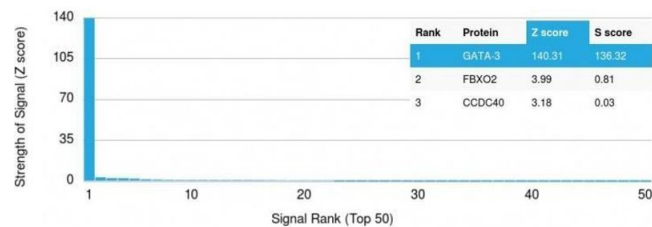
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified GATA-3 Mouse Monoclonal Antibody (GATA3/2441). 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 (GATA3/2441). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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 MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.