

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GATA-3 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GATA-3 Pro135-Ser258 Accession # P23771
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

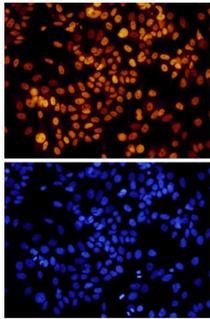
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human GATA-3
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Immunocytochemistry



GATA-3 in MCF-7 Human Cell Line. GATA-3 was detected in immersion fixed MCF-7 human breast cancer cell line using 10 µg/mL Goat Anti-Human GATA-3 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF2605) for 3 hours at room temperature. Cells were stained with the NorthernLights™ 557-conjugated Streptavidin (red, upper panel; Catalog # NL999) and counterstained with DAPI (blue, lower panel). View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

GATA-3 belongs to the GATA family of transcription factors, which bind to the consensus DNA sequence (A/T) GATA (A/G) to control diverse tissue-specific programs of gene expression and morphogenesis. It is widely expressed in mesodermal- and endodermal-derived tissues. GATA-3 has been shown to be an essential regulator for immune cell function, sympathetic neuron development and the maintenance of the differentiated state in epithelial cells.