

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GATA-6.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GATA-6 Met1-Ala449 Accession # Q92908-2
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

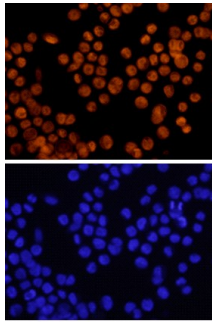
APPLICATIONS

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-6
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Immunocytochemistry



GATA-6 in KATO-III Human Cell Line. GATA-6 was detected in immersion fixed KATO-III human gastric carcinoma cell line using 10 µg/mL Human GATA-6 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF1700) 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-6 (also named GATA-GT1) is a zinc finger transcription activating protein that binds to a T/A-G-A-T-A-G/A DNA sequence motif in mesodermally and endodermally-derived tissue. There are two GATA-6 isoforms that arise from alternate start sites: a short form of 449 amino acids (aa), and a long form of 595 aa. The short form of human GATA-6 is 93%, 92% and 88% aa identical to GATA-6 in porcine, rat and mouse, respectively.