

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GFI-1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GFI-1 Pro2-Leu250 Accession # Q99684
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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 GFI-1
Immunocytochemistry	5-15 µg/mL	Immersion fixed A172 human glioblastoma cell line

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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <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

Human GFI-1 is a 55 kDa, 422 amino acid (aa) nuclear, zinc-finger transcriptional regulator. It contains an N-terminal SNAG domain, an Ala/Gly-rich region, and a C-terminus with six C2H2-type zinc finger motifs. GFI-1 binds DNA in a sequence-specific manner. GFI-1 functions as a transcription repressor in lymphoid cells and is required for neutrophil maturation. It also regulates self-renewal and is essential for the functional integrity of hematopoietic stem cells. Over the region used for immunization, human GFI-1 shares less than 50% amino acid sequence homology with human GFI-1B. It also shares 79% and 89% aa sequence identity with mouse and canine GFI-1, respectively.