

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human and rat Fgr in Western blot.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Fgr Met1-Phe82 Accession # P09769
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 either lyophilized or as a 0.2 µm filtered solution in PBS.

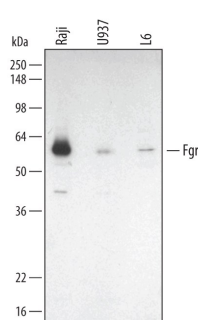
APPLICATIONS

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	0.5 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	Immersion fixed U937 human histiocytic lymphoma cell line

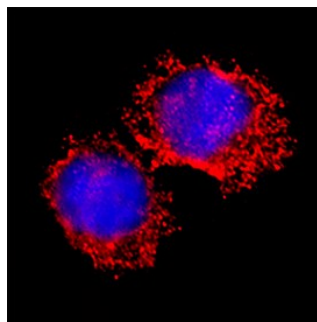
DATA

Western Blot



Detection of Human/Rat Fgr by Western Blot. Western blot shows lysates of Raji human Burkitt's lymphoma cell line, U937 human histiocytic lymphoma cell line, and L6 rat myoblast cell line. PVDF membrane was probed with 0.5 µg/mL of Goat Anti-Human/Rat Fgr Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3207) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # Catalog # HAF109). A specific band was detected for Fgr at approximately 59 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry



Fgr in U937 Human Cell Line. Fgr was detected in immersion fixed U937 human histiocytic lymphoma cell line using Goat Anti-Human/Rat Fgr Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3207) at 15 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. Staining was performed using our protocol for Fluorescent ICC Staining of Non-adherent Cells.

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

Fgr is the cellular homolog of the oncogenic protein encoded by the Gardner-Rasheed feline sarcoma virus. A member of the Src family of nonreceptor tyrosine kinases, Fgr is predominantly expressed in neutrophils, macrophages, monocytes, and natural killer cells. Mice lacking Fgr fail to recruit eosinophils to the lung during allergic airway inflammation.