

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat Frk in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Frk Met1-Glu107 Accession # P42685
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.

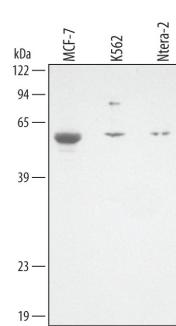
APPLICATIONS

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	2 µg/mL	See Below
Immunohistochemistry	5-15 µg/mL	Immersion fixed paraffin-embedded sections of human breast cancer tissue subjected to Antigen Retrieval Reagent-Basic (Catalog # CTS013)

DATA

Western Blot



Detection of Human Frk by Western Blot.

Western blot shows lysates of MCF-7 human breast cancer cell line, K562 human chronic myelogenous leukemia cell line, and Ntera-2 human testicular embryonic carcinoma cell line. PVDF membrane was probed with 2 µg/mL of Goat Anti-Human/Mouse/Rat Frk Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3766) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for Frk at approximately 58 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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

Fyn-related kinase (Frk) is a tyrosine kinase of the Src family. Also known as Rak, Gbk, and lyk, Frk is predominantly expressed in epithelial tissues. Frk protein is 49% and 47% identical to Fyn and Csk, respectively. Src family kinases regulate an array of cellular processes, including growth factor signaling, cytoskeleton dynamics, and cell proliferation.