

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat PTK7/CCK4 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human PTK7/CCK4 Ala31-Ser199 Accession # Q13308
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.

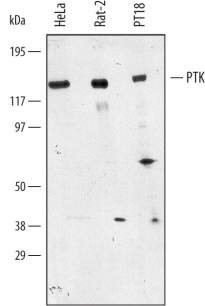
APPLICATIONS

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	1 µg/mL	See Below
Simple Western	10 µg/mL	See Below

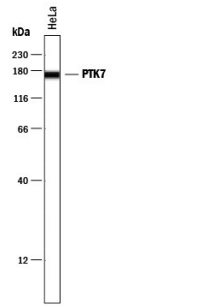
DATA

Western Blot




Detection of Human, Mouse, and Rat PTK7/CCK4 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, Rat-2 rat embryonic fibroblast cell line, and PT18 mouse mast/basophil cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat PTK7/CCK4 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4499) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for PTK7/CCK4 at approximately 160 kDa (as indicated). This experiment was conducted using *Immunoblot Buffer Group 1*.

Simple Western



Detection of Human PTK7/CCK4 by Simple Western™. Simple Western lane view shows lysates of HeLa human cervical epithelial carcinoma cell line, loaded at 0.2 mg/mL. A specific band was detected for PTK7/CCK4 at approximately 171 kDa (as indicated) using 10 µg/mL of Goat Anti-Human/Mouse/Rat PTK7/CCK4 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4499) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



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

CCK4 (colon carcinoma kinase 4, also known as PTK7) is a receptor tyrosine kinase (RTK) involved in colon carcinoma development and/or proliferation. Similar to the RTK HER3, CCK4 contains a catalytically inactive tyrosine kinase domain, suggesting a potential tumor-characteristic role as a signal amplifier or modulator for an as yet unidentified kinase-competent partner.