Human/Mouse/Rat TOR Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF15371

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat TOR.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human TOR Phe1720-Ala2020 Accession # P42345
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

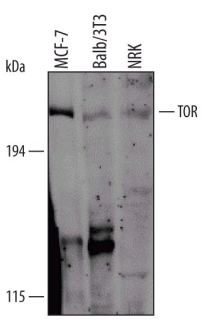
APPLICATIONS

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	1 µg/mL	See Below
Immunoprecipitation	2 µg/500 µg cell lysate	MCF-7 human breast cancer cell line, see our available Western blot detection antibodies

DATA

Western Blot



Detection of Human/Mouse/Rat TOR by Western Blot. Western blot shows lysates of MCF-7 human breast cancer cell line, Balb/3T3 mouse embryonic fibroblast cell line, and NRK rat normal kidney cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse/Rat TOR Antigen Affinity-purified Polyclonal Antibody (Catalog # AF15371) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for TOR at approximately 280 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.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

BACKGROUND

The Target of Rapamycin (TOR) is a member of the PI 3-kinase-related kinase (PIKK) family. TOR is the protein target of rapamycin, an anti-rejection drug used in transplantation and promising anti-cancer agent. TOR plays a crucial role in the control of cell growth and proliferation as a downstream target of the PI 3-kinase/Akt signal transduction pathway.