

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. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

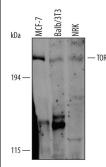
APPLICATIONS

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 | 1 μg/mL | See Below |
| Immunoprecipitation | 2 μg/500 μg cell lysat | e 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 μ g/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 STO | RAGE |
|-------------|---------|------|
| | | |

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

- 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

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.

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