

Human/Mouse/Rat TOR Antibody

Polyclonal Rabbit IgG Catalog Number: AB1537

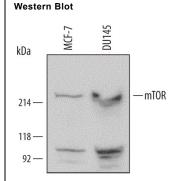
DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Detects human, mouse and rat TOR in Western blots.		
Source	Polyclonal Rabbit IgG		
Purification	Protein A or G purified		
Immunogen	E. coli-derived recombinant GST-rat TOR aa 1223-1290		
Formulation	Supplied as a 0.2 µm filtered solution in PBS and Glycerol. See Certificate of Analysis for details.		

APPLICATIONS

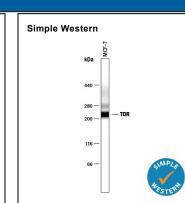
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below
Simple Western	20 μg/mL	See Below

DAIA



Detection of Human/Mouse/Rat TOR by Western Blot. Western blot shows lysates of MCF-7 human breast cancer cell line and DU145 human prostate carcinoma cell line. PVDF membrane was probed with 2 µg/mL of Rabbit Anti-Human/Mouse/Rat TOR Polyclonal Antibody (Catalog # AB1537) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for TOR at approximately 270 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 1.



Detection of Human TOR by Simple Western T^M. Simple Western lane view shows lysates of MCF-7 human breast cancer cell line, loaded at 0.2 mg/mL. A specific band was detected for TOR at approximately 226 kDa (as indicated) using 20 µg/mL of Rabbit Anti-Human/Mouse/Rat TOR Polyclonal Antibody (Catalog # AB1537). This experiment was conducted under reducing conditions and using the 66-440 kDa separation system.

PREPARATION AND STORAGE

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, 2 to 8 °C under sterile conditions after opening.
 - 6 months, -20 to -70 °C under sterile conditions after opening

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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