9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Phospho-mTOR (S2448) Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1601

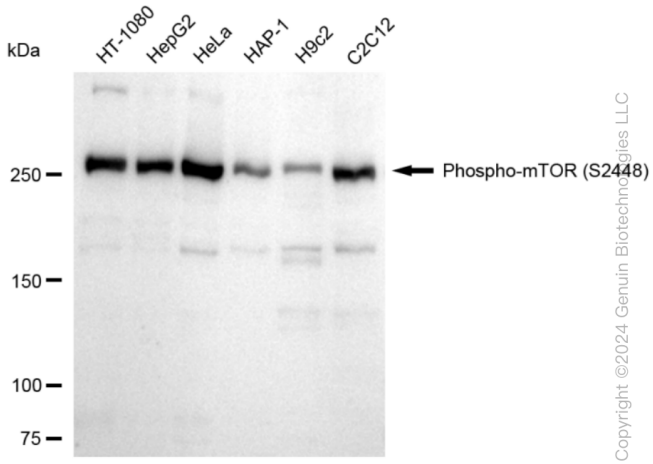
Product Overview

Name	KD-Validated Anti-Phospho-mTOR (S2448) Rabbit Monoclonal Antibody
Accession(Primary)	P42345
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Phospho-mTOR (S2448)
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 289 kDa, observed , 289 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB):1:1,000-1:5,000 Immunocytochemistry (IC): 1:100-1:1,000 Flow Cytometry (FCM): 1:2,000

Target information (P42345)

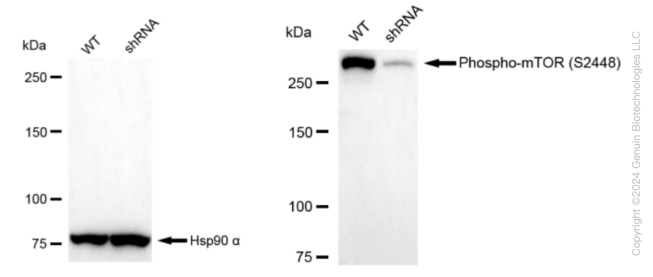
Gene Name	MTOR
About Gene Symbol	MTOR (Mechanistic Target Of Rapamycin Kinase) is a serine/threonine protein kinase involved in mTOR/PI3K/Akt signaling. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellul

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989



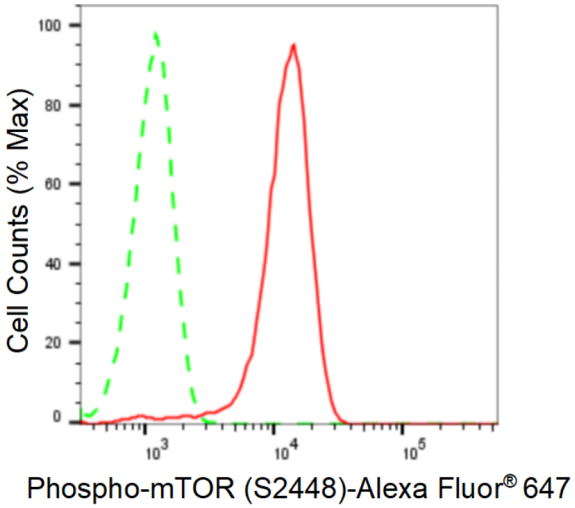
Copyright ©2024 Genuin Biotechnologies LLC

Western blotting analysis using anti-Phospho-mTOR (S2448) antibody (Cat#ABG1601). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phospho-mTOR (S2448) antibody (Cat#ABG1601, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Copyright ©2024 Genuin Biotechnologies LLC

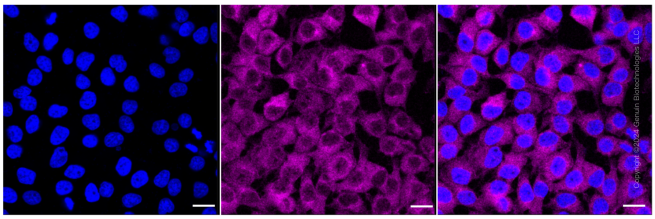
Western blotting analysis using anti-Phospho-mTOR (S2448) antibody (Cat#ABG1601). Phospho-mTOR (S2448) expression in wild type (WT) and Phospho-mTOR (S2448) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Phospho-mTOR (S2448) antibody (Cat#ABG1601, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Copyright ©2024 Genuin Biotechnologies LLC

Flow cytometric analysis of Phospho-mTOR (S2448) expression in HeLa cells using Phospho-mTOR (S2448) antibody (Cat#ABG1601, 1:2,000). Green, isotype control; red, Phospho-mTOR (S2448).

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989



Immunocytochemical staining of HeLa cells with anti-Phospho-mTOR (S2448) antibody (Cat#ABG1601, 1:1,000). Nuclei were stained blue with DAPI; Phospho-mTOR (S2448) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.