

KD-Validated Anti-MTOR Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

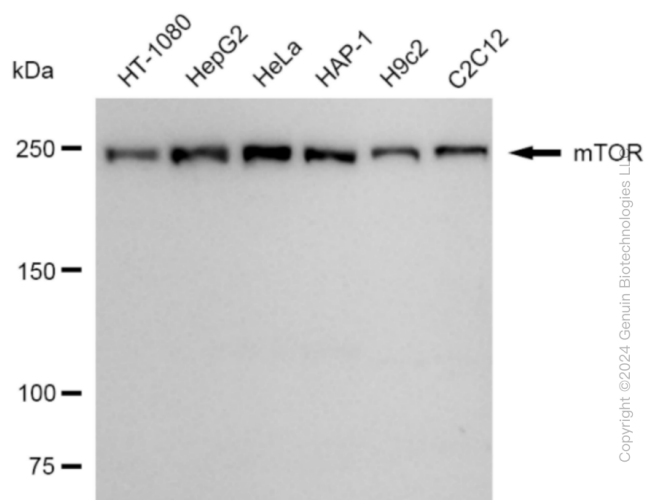
ABG1793

Product Overview

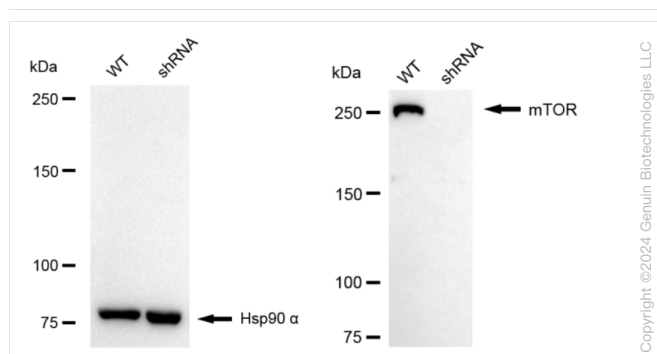
Name	KD-Validated Anti-MTOR Rabbit Monoclonal Antibody
Accession(Primary)	P42345
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human mTOR
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 289 kDa, observed, 250 kDa
Storage Buffer	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 Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

Target information (P42345)

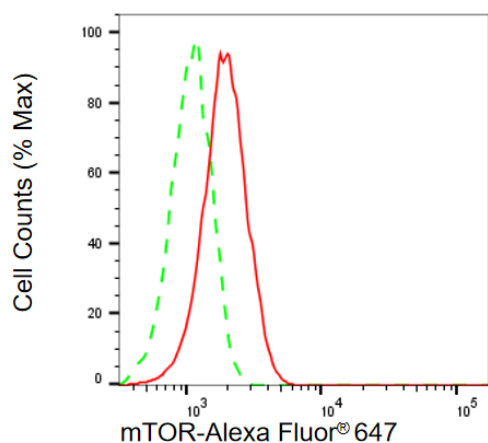
Gene Name	MTOR
About Gene Symbol	MTOR (Mechanistic Target Of Rapamycin Kinase) is a serine/threonine protein kinase involved in mTOR/PI3K/Akt signaling. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellu



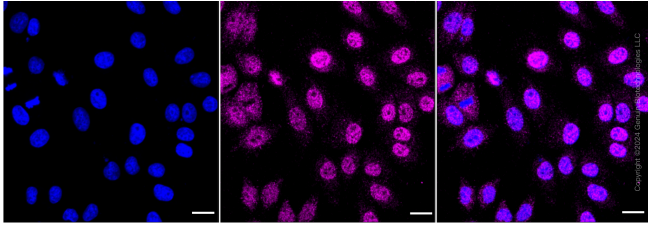
Western blotting analysis using anti-mTOR antibody (Cat#ABG1793). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-mTOR antibody (Cat#ABG1793, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-mTOR antibody (Cat#ABG1793). mTOR expression in wild-type (WT) and MTOR 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-mTOR antibody (Cat#ABG1793, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of mTOR expression in HepG2 cells using anti-mTOR antibody (Cat#ABG1793, 1:2,000). Green, isotype control; red, mTOR.



Immunocytochemical staining of HepG2 cells with anti-mTOR antibody (Cat#ABG1793, 1:1,000).

Nuclei were stained blue with DAPI; mTOR 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 μ m.