



Mouse Monoclonal Antibody **mTOR (phospho Ser2448)** conjugated to Sepharose Beads

CatalogNo: **ANT8326-M**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

mTOR (phospho Ser2448) (ANT0098R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species

- Rabbit

MW

- 289kD (Calculated)
- 250kD (Observed)

Reactivity

- Human,Mouse,Rat,

Isotype

- IgG,Kappa

Applications

- WB,IHC,IF,IP,ELISA

Recommended Dilution Ratios

IP

Basic Information

Clonality

Monoclonal

Clone Number ANT0098R

Immunogen Information

Specificity Endogenous

Gene name MTOR

Protein Name Serine/threonine-protein kinase mTOR

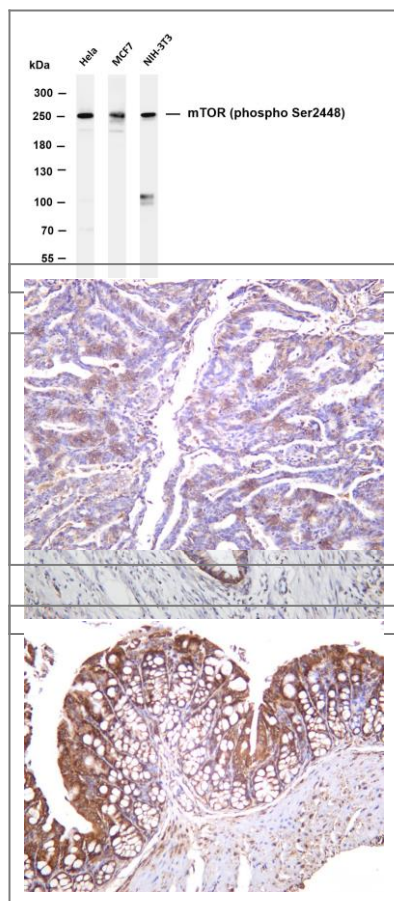
Organism	Gene ID	UniProt ID
Human	2475;	P42345;
Mouse	56717;	Q9JLN9;
Rat	56718;	P42346;

Cellular Localization Cytoplasm

Tissue specificity Expressed in numerous tissues, with highest levels in testis.

Function Function:Acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. Part of the TORC2 complex which plays a critical role in AKT1 Ser-473 phosphorylation, and may modulate the phosphorylation of PKCA and regulate actin cytoskeleton organization.,similarity:Belongs to the PI3/PI4-kinase family.,similarity:Contains 1 FAT domain.,similarity:Contains 1 FATC domain.,similarity:Contains 1 PI3K/PI4K domain.,similarity:Contains 7 HEAT repeats.,subunit:Interacts with the FKBP12-rapamycin complex. Binds UBQLN1. Forms part of the mammalian target of rapamycin 2 complex (TORC2) comprised of FRAP1, GBL, PRR5, RICTOR and SIN. TORC2 does not bind to and is not sensitive to FKBP12-rapamycin. Binds directly to PRR5 and RICTOR within the TORC2 complex.,tissue specificity:Expressed in numerous tissues, with highest levels in testis.,

Validation Data



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-mTOR (phospho Ser2448) (ANT0098R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: MCF7 Lane 3: NIH-3T3 Predicted band size: 289kDa Observed band size: 250kDa

Human colon carcinoma was stained with anti-mTOR (phospho Ser2448) (ANT0098R) rabbit antibody

Human endometrium carcinoma was stained with anti-mTOR (phospho Ser2448) (ANT0098R) rabbit antibody

Mouse colon was stained with anti-mTOR (phospho Ser2448) (ANT0098R) rabbit antibody

Rat colon was stained with anti-mTOR (phospho Ser2448) (ANT0098R) rabbit antibody

For Research use only, not for diagnostics and clinical use

Contact Antagene Inc Tel 1-866-964-2589 Email: info@antageneinc.com