



Mouse Monoclonal Antibody **mTOR** conjugated to Sepharose Beads

CatalogNo: **ANT8208-S**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

mTOR (ANT0051R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Host Species

- Rabbit

MW

- 289kD (Calculated)
- 260kD (Observed)

Reactivity

- Human, Mouse, Rat,

Isotype

- IgG, Kappa

Applications

- WB, IHC, IF, IP, ELISA

Recommended Dilution Ratios

IP

Basic Information

Clonality

Monoclonal

Clone Number ANT0051R

Immunogen Information

Specificity Endogenous

Gene name MTOR

Protein Name Serine/threonine-protein kinase mTOR

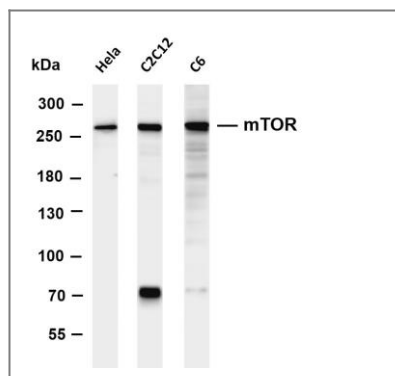
Organism	Gene ID	UniProt ID
Human	2475;	P42345;
Mouse	56717;	Q9JLN9;
Rat	56718;	P42346;

Cellular Localization Cytoplasm

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

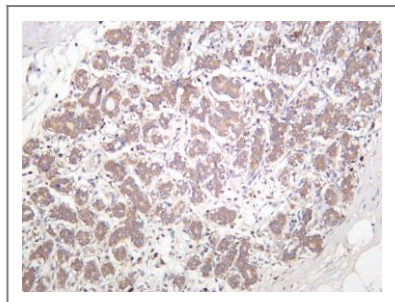
Function Function:Acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. Part of the TORC2 complex which plays a critical role in AKT1 Ser-473 phosphorylation, and may modulate the phosphorylation of PKCA and regulate actin cytoskeleton organization.,similarity:Belongs 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



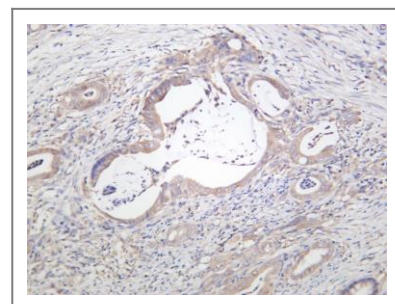
Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-mTOR (ANT0051R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: C2C12 Lane 4: C6
Predicted band size:

289kDa Observed band size: 260kDa



Human breast carcinoma was stained with anti-mTOR (ANT0051R) rabbit antibody

Please scan the QR code to
access additional product
information: **mTOR**
(ANT0051R) Rabbit
mAb



Human colon carcinoma was stained with anti-mTOR (PT0351R) rabbit antibody

For Research use only, not for diagnostics and clinical use
Contact Antagene Inc Tel 1-866-964-2589 Email: info@antageneinc.com