



## mTOR (ANT0051R) Rabbit mAb

CatalogNo: ANT8208 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA  
Quantity : 100 ug/vial

### Host Species

- Rabbit

### MW

- 289kD (Calculated)  
260kD (Observed)

### Reactivity

- Human,Mouse,Rat,

### Isotype

- IgG,Kappa

### Applications

- WB,IHC,IF,IP,ELISA

## Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

## Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

## Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0051R

## Target Information

Endogenous

Gene name MTOR  
Protein Name Serine/threonine-protein kinase mTOR

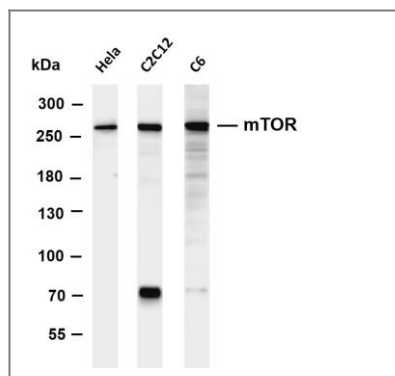
Organism	Gene ID	UniProt ID
Human	<a href="#">2475;</a>	<a href="#">P42345;</a>
Mouse	<a href="#">56717;</a>	<a href="#">Q9JLN9;</a>
Rat	<a href="#">56718;</a>	<a href="#">P42346;</a>

Cellular Localization Cytoplasm

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

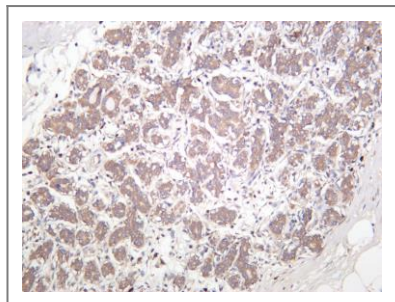
Function Function:Acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex. Part of the TORC2 complex which plays a critical role in AKT1 Ser-473 phosphorylation, and may modulate the phosphorylation of PKCA and regulate actin cytoskeleton organization.,similarity:Belongs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



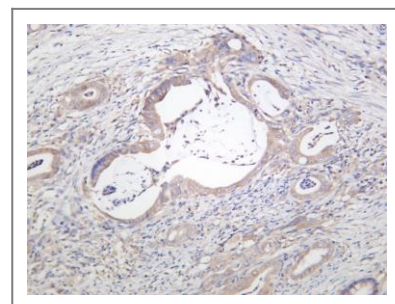
Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-mTOR (ANT0051R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: C2C12 Lane 4: C6  
Predicted band size:

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

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