

mTOR antibody [C3], C-term

Cat. No. GTX101557

| | |
|---------------------|-----------------------------------|
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Applications | WB, ICC/IF, IHC-P, IP, ChIP assay |
| Reactivity | Human, Mouse, Rat |

References (36)

★★★★★ Review (6)

Package

100 µl, 25 µl

PRODUCT

Summary

mTOR antibody recognizes the mammalian target of rapamycin (mTOR), a member of the phosphatidylinositol 3-kinase-related kinase family of protein kinases. The mTOR protein consists of 2549 amino acids, and has a predicted molecular weight of 289 kDa. mTOR is the core protein of two mTOR complexes (mTORC1 and mTORC2) that drive pathways controlling various fundamental cellular functions, including cell metabolism, growth, migration, and cell death.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB | 1:500-1:3000 |
| ICC/IF | 1:100-1:1000 |
| IHC-P | 1:100-1:1000 |
| IP | 1:100-1:500 |
| ChIP assay | Assay dependent |

Not tested in other applications.

Calculated MW 289 kDa. ([Note](#))

Properties

| | |
|----------------------|--|
| Form | Liquid |
| Buffer | PBS, 20% Glycerol |
| Preservative | 0.025% ProClin 300 |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 0.05 mg/ml (Please refer to the vial label for the specific concentration.) |
| Immunogen | Recombinant protein encompassing a sequence within the C-terminus region of human mTOR. The exact sequence is proprietary. |



For full product information, images and publications, please visit our [website](#).

Purification Purified by antigen-affinity chromatography.

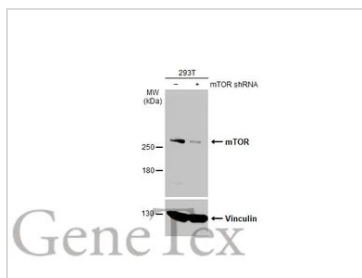
Conjugation Unconjugated

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

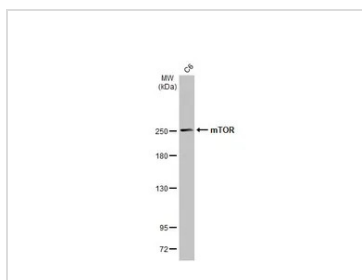
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DATA IMAGES



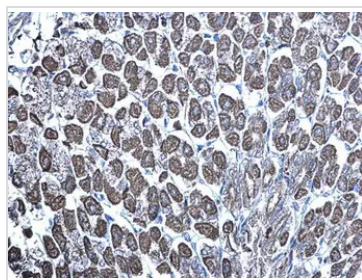
GTx101557 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with mTOR antibody [C3], C-term (GTx101557) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



GTx101557 WB Image

Whole cell extract (30 µg) was separated by 5% SDS-PAGE, and the membrane was blotted with mTOR antibody [C3], C-term (GTx101557) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



GTx101557 IHC-P Image

mTOR antibody [C3], C-term detects mTOR protein at mitochondria on mouse stomach by immunohistochemical analysis.

Sample: Paraffin-embedded mouse stomach.

mTOR antibody [C3], C-term (GTx101557) diluted at 1:500.

Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



For full product information, images and publications, please visit our [website](https://www.genetex.com).