

# mTOR Antibody



Catalog No: T55306

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC

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400-6123-828

## Information

**UniProt ID:** P42345

**All Names:**FRAP; FRAP1; FRAP2; RAFT1; Rapamycin target protein; kinase mTOR;

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

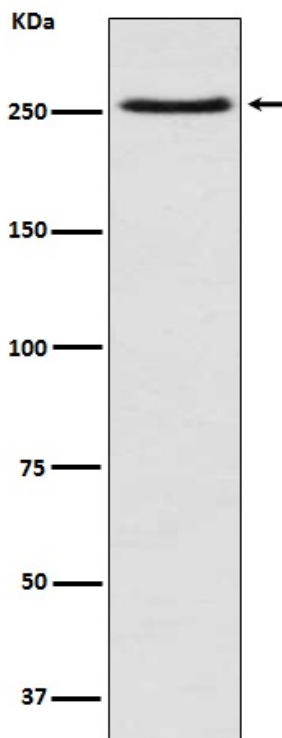
**Molecular Wt.:** 289kDa

## Application

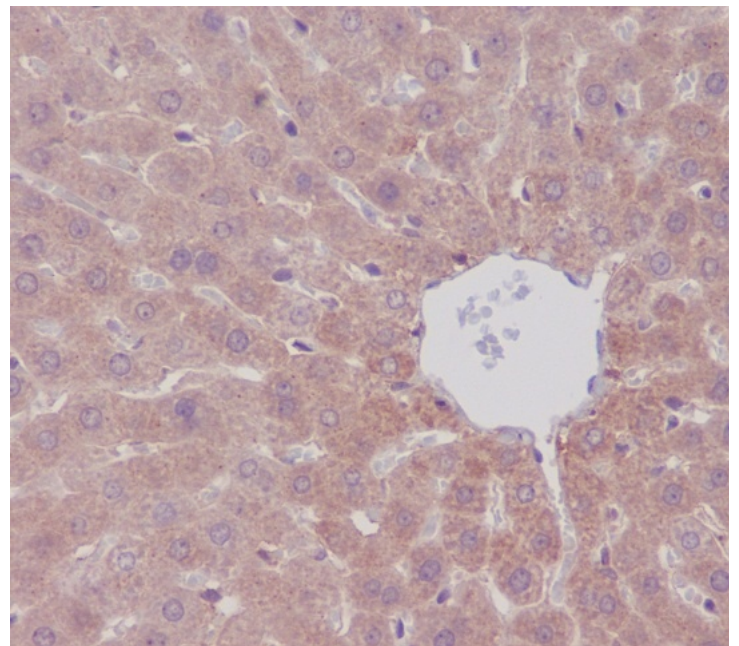
WB 1:500~1:1000 IHC 1:50~1:100 ICC/IF 1:50~1:100 IP 1:30 FC 1:20

## Background

An atypical kinase belonging to the PIKK family of kinases. Controls cell growth through protein synthesis regulation. Downstream of PI3K/Akt pathway and required for cell survival. Acts as the target for the cell-cycle arrest and immunosuppressive effects of the FKBP12-rapamycin complex.



Western blot analysis of mTOR expression in Jurkat cell lysate.



Immunohistochemical analysis of paraffin-embedded rat liver, using mTOR Antibody.

Overexpression of the 14-3-3 $\gamma$  protein in uterine leiomyoma cells results in growth retardation and increased apoptosis. -Cellular Signalling