

Product Datasheet



mTOR Antibody

Catalog No: CY5306

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC

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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: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 289 kDa

Application

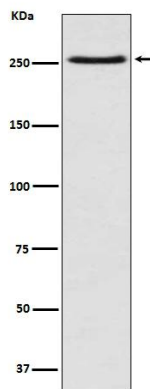
WB: 1:500~1:1000

IHC: 1:50~1:100

ICC/IF: 1:50~1:100

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.

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