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Tti1/KIAA0406 Anti-Human Rabbit IgG Affinity Purify

多克隆抗体

产品货号: PA01211

第三版

描述: Mammalian target of rapamycin (mTOR), a member of the phosphatidylinositol 3-kinase-related kinase (PIKK), is a major regulator of translation, cell growth, and autophagy. mTOR constitutes two distinct complexes, mTORC1 and mTORC2, that differ in their subunit composition. Tti1/KIAA0406 was identified as a novel mTOR-interacting protein. Tti1 constitutively interacts with mTOR in both mTORC1 and mTORC2. Knockdown of Tti1 suppresses phosphorylation of both mTORC1 substrates (S6K1 and 4E-BP1) and an mTORC2 substrate (Akt), and also induces autophagy. And it has been confirmed that Tti1 binds to Tel2 also in mammalian cells and Tti1 interacts with and stabilizes all six members of the PIKK family of proteins (mTOR, ATM, ATR, DNA-PKcs, SMG-1, and TRRAP). Furthermore, it has been reported that knockdown of either Tti1 or Tel2 causes disassembly of mTORC1 and mTORC2. These results indicate that Tti1 and Tel2 are important not only for mTOR stability but also for assembly of the mTOR complexes to maintain their activities.

抗原: Synthetic peptide of the C terminal part of Human Tti1/KIAA0408 (ASGQQNPYTTNVLQLLKELQ)

配方: Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN₃

如何使用: 加1ml超纯水重溶

稳定性: -20 ° C保存条件下，冻干粉,保质期为五年；液体，保质期为两年。

稀释液: PBS (pH7.4) , 1% BSA

应用: WB 1 ~ 5 μg/ml.

特异性: