

**TTC3 polyclonal antibody**

Catalog: BS78233

Host: Rabbit

Reactivity: Human

**BackGround:**

E3 ubiquitin-protein ligase which catalyzes the formation of 'Lys-48'-polyubiquitin chains. Mediates the ubiquitination and subsequent degradation of phosphorylated Akt (AKT1, AKT2 and AKT3 in the nucleus. Acts as a terminal regulator of Akt signaling after activation; its phosphorylation by Akt, which is a prerequisite for ubiquitin ligase activity, suggests the existence of a regulation mechanism required to control Akt levels after activation. Positively regulates TGF $\beta$ 1-induced epithelial-mesenchymal transition and myofibroblast differentiation by mediating the ubiquitination and subsequent degradation of SMURF2. Regulates neuronal differentiation by regulating actin remodeling and Golgi organization via a signaling cascade involving RHOA, CIT and ROCK. Inhibits cell proliferation.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

Refer to figures

**Swiss-Prot:**

P53804

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB, 1:500 - 1:2000

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Modification:**

Unmodification

**DATA:****Note:**

For research use only, not for use in diagnostic procedure.

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