
RTP801 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253838

Unit: 0.1 mg

Description:

RTP801 was initially identified as a gene induced by DNA damage, and later found to also be regulated by other cellular stresses such as hypoxia and glucocorticoid treatment. Recently, RTP801 has been shown to act as a mediator of tuberous sclerosis complex (TSC)-dependent regulation of the mammalian Target of Rapamycin (mTOR), an evolutionarily conserved serine/threonine kinase that regulates cell growth and cell cycle. In response to energy stress, RTP801 inhibits mTOR function, resulting in dephosphorylation of downstream targets such as ribosomal protein S6 kinase 1 and 4EBP1 and decreasing cell growth. Disregulation of RTP801 may thus contribute to human tumorigenesis.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: RTP801 ; DNA damage inducible transcript 4; DDIT4; Dig2; REDD-1

Accession No.: NP_061931

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human RTP801.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.