

Anti-Human/Mouse RHOBTB1/2 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA05747**

3th Edition

Description: RHOBTB1 encoded by this gene belongs to the Rho family of the small GTPase superfamily. It contains a GTPase domain, a proline-rich region, a tandem of 2 BTB (broad complex, tramtrack, and bric-a-brac) domains, and a conserved C-terminal region. The protein plays a role in small GTPase-mediated signal transduction and the organization of the actin filament system. Alternate splicing results in multiple transcript variants. RHOBTB1 (Rho Related BTB Domain Containing 1) is a Protein Coding gene. Among its related pathways are Signaling by GPCR and p75 NTR receptor-mediated signalling. GO annotations related to this gene include GTP binding. An important paralog of this gene is RHOBTB2. RHOBTB2 encoded by this gene is a small Rho GTPase and a candidate tumor suppressor. The encoded protein interacts with the cullin-3 protein, a ubiquitin E3 ligase necessary for mitotic cell division. This protein inhibits the growth and spread of some types of breast cancer. Three transcript variants encoding different isoforms have been found for this gene. RHOBTB2 (Rho Related BTB Domain Containing 2) is a Protein Coding gene. Diseases associated with RHOBTB2 include Acrodermatitis Chronica Atrophicans and Sporadic Breast Cancer. Among its related pathways are Signaling by GPCR and p75 NTR receptor-mediated signalling. GO annotations related to this gene include GTP binding. An important paralog of this gene is RHOBTB1.

Antigen: Synthesized peptide derived from the N-terminal region of human RhoBTB1/2

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: RHOBTB1 is Ubiquitous, with highest levels in skeletal muscle, placenta, testis, stomach, and kidney, followed by uterus and adrenal gland. Expressed in a variety of fetal tissues. RHOBTB2 is Ubiquitous, with highest levels in neural tissues. Expression is also detected in fetal lung, heart, and brain.