

**AP00031PU-N****Polyclonal Antibody to CDC42 / Rac-1 - Aff - Purified**

<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Background:</b>	cdc42/Rac belongs to the superfamily of small GTPases that are structurally linked to the proto-oncogene product p21ras and are important for the control of cell growth and differentiation as well as for intracellular organization. Cdc42/Rac is an important upstream regulator of the protein kinase cascade that controls the SAPK/JNK and p38 activity. Recent data also suggest that constitutive active forms of cdc42 can induce apoptosis through a mechanism requiring signaling through SAPK/JNK.
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Synthetic peptides surrounding amino acid 144 of human cdc42
<b>Format:</b>	<b>State:</b> Liquid purified Ig <b>Purification:</b> Immunoaffinity purified <b>Buffer System:</b> PBS, pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal
<b>Applications:</b>	Western Blot: 0.5-4 µg/ml. Immunohistochemistry: 10-20 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The antibody detects recombinant human Rac and cdc42 proteins (Rho subfamily), and does not cross-react with members of the Ras or Rab family proteins. The antibody specificity is confirmed by specific peptide inhibition in immunoblotting studies. <b>Species:</b> Human, Mouse, Rat, Bovine. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -20°C to -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.