

Product Datasheet

Rac1/2/3 Antibody

Catalog No: CY6802

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB



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Information

UniProt ID: P63000/P15153/P60763

All Names: Cell migration-inducing gene 5 protein; EN-7; GX; p21-Rac1; p21-Rac2; p21-Rac3; RAC1; RAC2; RAC3; Ras-like protein TC25; Ras-related C3 botulinum toxin substrate 1; Ras-related C3 botulinum toxin substrate 2; ras-related C3 botulinum toxin substrate 3; Small G protein; TC25;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

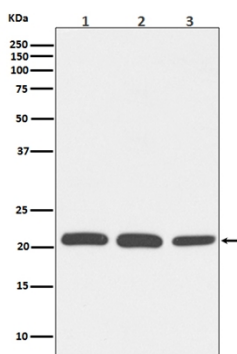
Molecular Wt.: 21 kDa

Application

WB 1:500~1:2000

Background

In mammals, Rac exists as three isoforms, Rac1, Rac2 and Rac3, which are highly similar in sequence. Rac and Cdc42 play key signaling roles in cytoskeletal reorganization, membrane trafficking, transcriptional regulation, cell growth and development. GTP binding stimulates the activity of Rac/Cdc42, and the hydrolysis of GTP to GDP through the protein's intrinsic GTPase activity, rendering it inactive. GTP hydrolysis is aided by GTPase activating proteins (GAPs), while exchange of GDP for GTP is facilitated by guanine nucleotide exchange factors (GEFs).



Western blot analysis of Rac1/2/3 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC-12 cell lysate.

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