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Datasheet for ABIN762356
anti-RND3 antibody (AA 51-150)

Overview

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|----------------------|---|
| Quantity: | 100 µL |
| Target: | RND3 |
| Binding Specificity: | AA 51-150 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RND3 antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human RND3 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse,Dog,Cow,Pig,Horse,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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|---------|------|
| Target: | RND3 |
|---------|------|

Target Details

Alternative Name: Rnd3 ([RND3 Products](#))

Background: Synonyms: ARHE, memB, Rho family GTPase 3, Rho8, RhoE, RND3_HUMAN.
Background: The Rho family of proteins mediates cytoskeleton organization and cell motility responses. This family contains twenty different members divided into five groups, the Rho-like, Rac-like, Cdc42-like, Rnd and RhoBTB subfamilies. Rho proteins have GTPase activity and bind GTP in their active form and GDP in their inactive form. In their active form they interact with downstream proteins. However, the Rnd subfamily of proteins containing the Rnd1, Rnd2 and RhoE(Rnd3), binds GTP but not GDP and has no GTPase activity. While Rho proteins are required for stress fibre formation in cultured fibroblasts, epithelial and endothelial cells, overexpression of Rnd3 or Rnd1 in the same cells may cause an opposite effect (i.e. decrease in stress fibre). Thus, the Rnd3 protein may act as an antagonist for the Rho proteins either by directly binding to Rho or to other downstream proteins.

Gene ID: 390

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date: 12 months