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Datasheet for ABIN350723

anti-Rho-related GTP-binding protein antibody

Overview

Quantity:	500 µg
Target:	Rho-related GTP-binding protein (RhO (pan))
Reactivity:	Human, Mouse, Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Rho-related GTP-binding protein antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide as a part of human/rat/mouse/chicken/dog/frog (and more species) Rho-related GTP-binding proteins (RhOA, RhOB, RhOC, RhOF, RhOQ) and RAC1, RAC2, RAC3 and CDC42 conjugated to an immunogenic carrier protein was used as the immunogen.
Isotype:	IgG
Specificity:	Specific for RhO family.

Target Details

Target:	Rho-related GTP-binding protein (RhO (pan))
Abstract:	RhO (pan) Products
Target Type:	Chemical
Background:	The protein encoded by this gene is a small GTPase of the Rho-subfamily, which regulates signaling pathways that control diverse cellular functions including cell morphology, migration,

Target Details

endocytosis and cell cycle progression. This protein is highly similar to *Saccharomyces cerevisiae* Cdc 42, and is able to complement the yeast *cdc42-1* mutant. The product of oncogene *Dbl* was reported to specifically catalyze the dissociation of GDP from this protein. This protein could regulate actin polymerization through its direct binding to Neural Wiskott-Aldrich syndrome protein (N-WASP), which subsequently activates Arp2/3 complex. Alternative splicing of this gene results in multiple transcript variants. Also known as: Rho-related GTP-binding protein RhOA, RhOB, RhOC, RhOF, RhOQ, RAC1, RAC2, RAC3, CDC42.

Application Details

Application Notes: A concentration of 10-50 µg/ml is recommended.
The optimal concentration should be determined by the end user.
Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months