Human/Mouse RND3 (RD1 Peptide) Antibody

Monoclonal Mouse IgG_1 Clone # 687202

Catalog Number: MAB6618

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human RND3 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 687202
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	RND3 (RD1 peptide) Cys197-Arg207 Accession # P61587
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

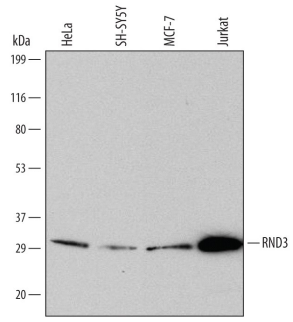
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human RND3 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, SH-SY5Y human neuroblastoma cell line, MCF-7 human breast cancer cell line, and Jurkat human acute T cell leukemia cell line. PVDF Membrane was probed with 1 µg/mL of Human RND3 (RD1 Peptide) Monoclonal Antibody (Catalog # MAB6618) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for RND3 at approximately 29 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

RND3, also known as RhoE, is an approximately 27 kDa member of the Rho family, small GTPase superfamily of molecules. It is 244 amino acids (aa) in length, and the mature chain extends from aa 1-241. RND3 is ubiquitously expressed and is involved in keratinocyte differentiation and stratification. RND3 overexpression results in cell size enlargement and an increase in the number of stratified cells. RND3 depletion results in hyperproliferation and delays initiation of keratinocyte differentiation. Human RND3 shares 100% aa sequence identity with mouse RND3.

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