

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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