

Rex1 ABfinity™ Recombinant Rabbit Monoclonal Antibody – Purified

Publication Part no. MAN0005989

Rev. 1.0

Catalog Number: 701159

Store at 2 to 8°C (short-term), or –20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Human REX1
Predicted Reactivity: Human

Product Description

Rex1 is an exonuclease domain-containing transcription factor protein that can bind to Elongin. The Elongin complex stimulates the rate of transcription elongation by RNA polymerase II through suppression of transient pauses of the polymerase at various sites along the DNA template. Rex1 is a putative stem cell marker that is highly expressed in embryonic and adult stem cells.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 1–140 of human REX1 transcription factor
Alternate Names: ZFP42, ZNF754
Apparent MW: ~35 kDa
Gene ID: 132625
Protein Accession No.: Q96MM3
Sequence Identity: Human
Clone/PAD: 14H16L9
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	A431 cells	2–5 µg/mL
Immunocytochemistry	Human	HeLa cells	1–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 × 10 ^{–4} to 3 µg/mL

Storage and Handling

Store the antibody at 2 to 8°C for up to 1 month, or –20°C for long storage. Avoid repeated freezing and thawing.

Stability

Expires one year from date of receipt when stored as instructed.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Note: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

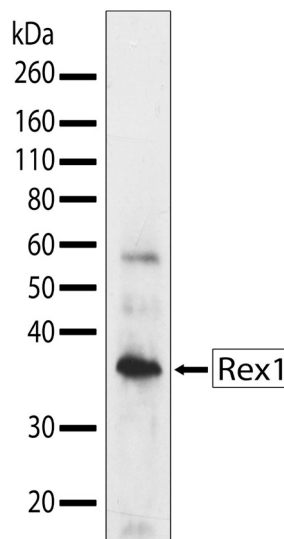


Figure 1 Western blot analysis of Rex1 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701158). Western blot analysis was performed on A431 whole cell extracts. Endogenous Rex1 at ~35 kDa was detected using Rex1 ABfinity™ Recombinant Rabbit Monoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using chemiluminescence (ECL) method.

For research use only. Not for human or animal therapeutic or diagnostic use.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@invitrogen.com

Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.com/sds.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.invitrogen.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

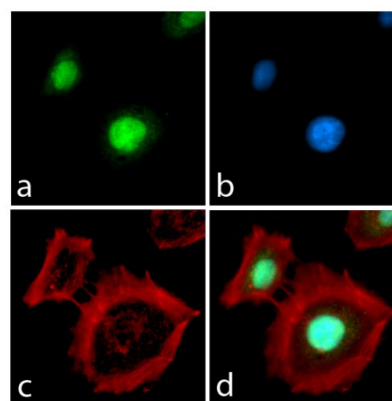


Figure 2 Immunocytochemistry analysis of Rex1 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701158). Immunocytochemistry analysis of HeLa cells stained with Rex1 ABfinity™ Recombinant Rabbit Monoclonal Antibody, using **a**: Alexa Fluor® 488 goat anti-rabbit as a secondary antibody (green). **b**: DAPI stained HeLa nuclei (blue). **c**: Actin stained Alexa Fluor® 594 phalloidin (red). **d**: Composite image of cells showing nuclear localization of Rex1.

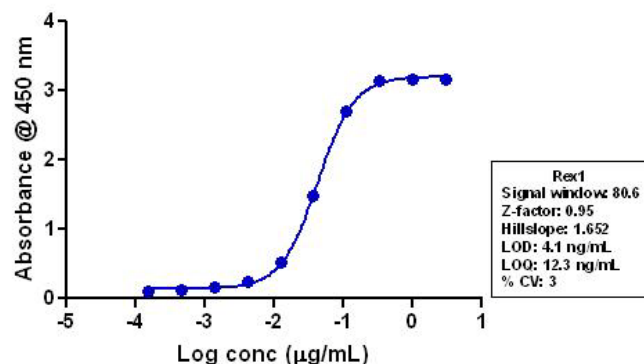


Figure 3 Indirect ELISA of Rex1 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701158). Indirect ELISA was performed using various dilutions of Rex1 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701158) to detect recombinant Rex1 protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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