

ABfinity™ Pax 3 Recombinant Rabbit Monoclonal Antibody

Publication Part No. MAN0006624

Rev. 1.00

Catalog Number: 701147

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 Pax 3
Predicted Reactivity: Human

Product Description

Pax 3 (Paired Box 3) is a transcription factor that is involved in development of the peripheral nervous system, melanocytes, some vascular smooth muscle, and a number of other derivatives. It regulates neurogenesis in pre-migratory neural crest cells from the dorsal neural tube, and in myogenic progenitors in the presomitic mesoderm and the hypaxial somites. Alternative splicing results in isoforms having different C-termini.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 34–276 of human Pax 3
Alternate Names: HUP2, WS1, WS3, CDHS
Apparent MW: ~53 kDa
Gene ID: 5077
Protein Accession No.: P23760
Sequence Identity: Human
Sequence Homology: Mouse
Clone/PAD: 16H22L10
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	A431 cells	1–3 µg/mL
Immunocytochemistry	Human	U2OS cells	1–3 µg/mL
Indirect ELISA	Human	A431 cells	1.5 x 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.

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

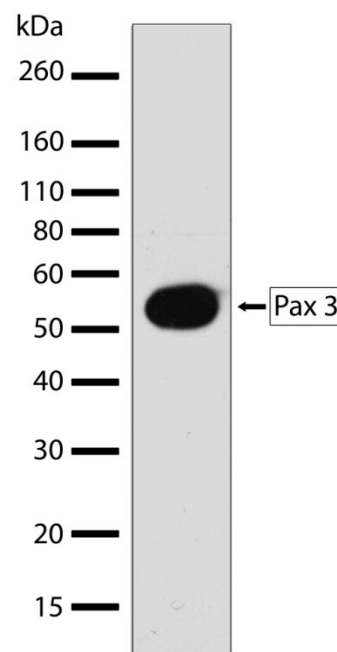


Figure 1 Western blot analysis of ABfinity™ Pax 3 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701147). Western blot analysis was performed on A431 whole cell extracts. Endogenous Pax 3 at ~53 kDa was detected using ABfinity™ Pax 3 Recombinant Rabbit Monoclonal Antibody at a concentration of 2 µg/mL. 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@lifetech.com

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

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.		

Limited Product Warranty

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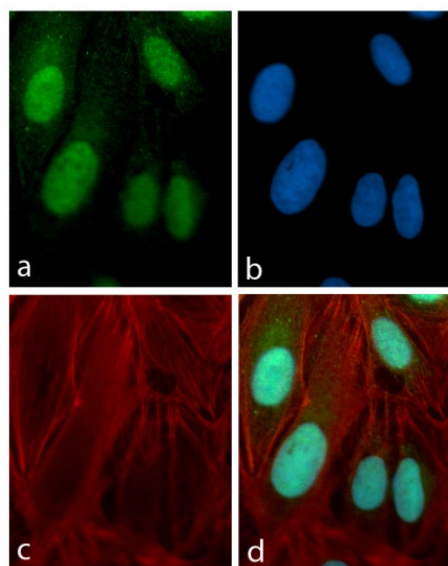


Figure 2 Immunocytochemistry analysis of ABfinity™ Pax 3 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701147). Immunocytochemistry analysis of U2OS cells stained with ABfinity™ Pax 3 Recombinant Rabbit Monoclonal Antibody, using **a**: Alexa Fluor® 488 goat anti-rabbit as a secondary antibody (green). **b**: DAPI stained U2OS nuclei (blue). **c**: Actin stained with Alexa Fluor® 594 phalloidin (red). **d**: Composite image of cells showing nuclear localization of Pax 3.

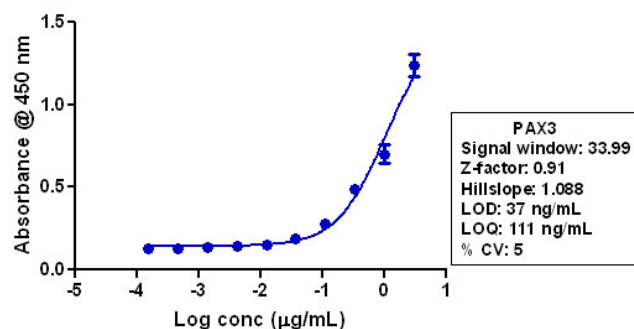


Figure 3 Indirect ELISA of Pax 3 (HUP2), Rabbit mAb (16H22L10), ABfinity™ Recombinant Monoclonal Antibody (Cat. no. 701147). Indirect ELISA was performed using various dilutions of Pax 3 (HUP2), Rabbit mAb (16H22L10), ABfinity™ Recombinant Monoclonal Antibody (Cat. no. 701147) to detect Pax 3 in whole cell extracts of A431 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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