

ABfinity™ PiTX3 Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701181

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 PiTX3
Predicted Reactivity: Human

Product Description

Paired-like homeodomain transcription factor-3 (PiTX3) is a member of the homeodomain family of DNA binding proteins. PiTX3 is associated with early ocular development (specifically the developing lens), and has a highly restricted expression pattern in the brain. It is later expressed in other organs and limbs.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 1–65 of human PiTX3
Alternate Names: PITX3
Apparent MW: ~32 kDa
Gene ID: 5309
Protein Accession No.: O75364
Sequence Identity: Human
Sequence Homology: Mouse
Clone/PAD: 5H10L5
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Immunocytochemistry	Human	U2OS 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.

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

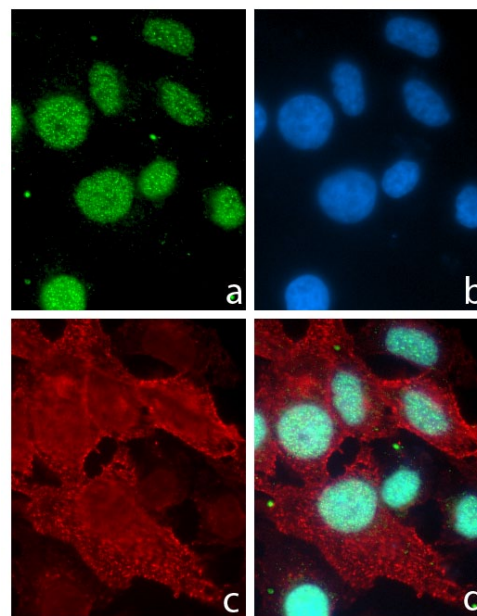


Figure 1 Immunocytochemistry analysis of ABfinity™ PiTX3 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701181). Immunocytochemistry analysis of U2OS cells stained with ABfinity™ PiTX3 Recombinant Rabbit Monoclonal Antibody, using **a:** Alexa Fluor® 488 goat anti-rabbit as a secondary antibody (green). **b:** DAPI stained U2OS nuclei (blue). **c:** Membrane-bound glycoconjugates on the cell surface stained with Alexa Fluor® 594 wheat germ agglutinin (red). **d:** Composite image of cells showing nuclear localization of PiTX3.

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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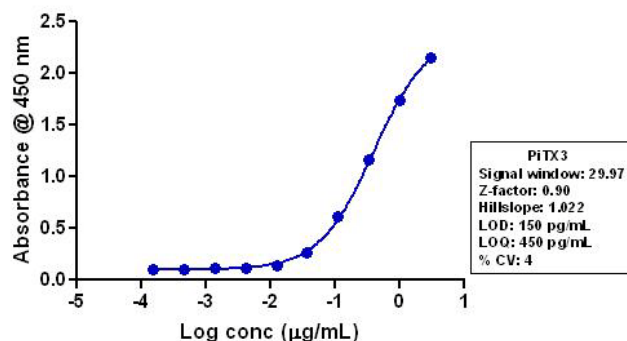


Figure 2 Indirect ELISA of ABfinity™ PiTX3 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701181). Indirect ELISA was performed using various dilutions of ABfinity™ PiTX3 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701181) to detect recombinant PiTX3 protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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