

Product Datasheet

Pax6 Antibody NB100-61654

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-61654

Pax6 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Pax6 Antibody (NB100-61654) is a polyclonal antibody validated for use in WB, ELISA and Flow. Anti-Pax6 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	5080
Gene Symbol	PAX6
Species	Mouse
Marker	Neural Marker
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_000271.1 and NP_001595.2).
Immunogen	Peptide with sequence C-REEKLRNQRRQASN corresponding to internal region according to NP_001595.2.

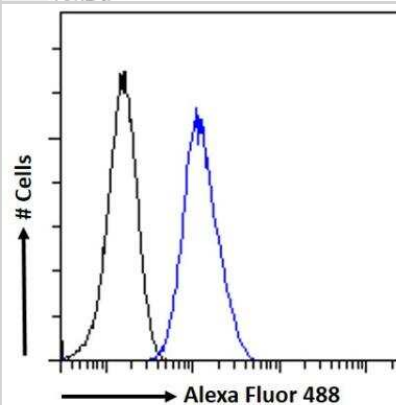
Product Application Details	
Applications	Western Blot, Flow Cytometry, Peptide ELISA, Immunohistochemistry-Frozen (Negative)
Recommended Dilutions	Western Blot 0.03 - 1.0 ug/ml, Flow Cytometry 10ug/ml, Peptide ELISA Detection limit 1:32000, Immunohistochemistry-Frozen (Negative)
Application Notes	Western blot: Approx 26kDa band observed in lysates of cell lines U251 and RAW264.7 and in nuclear lysates of cell lines K562 and HeLa, all successfully blocked by incubation with the immunising peptide (calculated MW of 24.8kDa according to Human NP_001355859.1 and 31.8 according to Mouse NP_001297075.1). Recommended concentration: 0.03-1ug/ml. Primary incubation 1 hour at room temperature.

Images

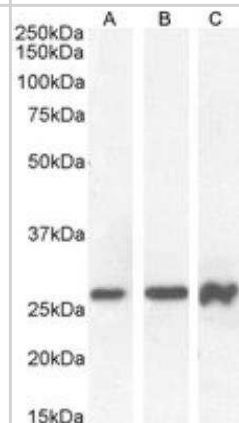
Western Blot: Pax6 Antibody [NB100-61654] - (0.5ug/ml) staining of RAW264.7 cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

Flow Cytometry: Pax6 Antibody [NB100-61654] - Flow cytometric analysis of paraformaldehyde fixed U251 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: Pax6 Antibody [NB100-61654] - (0.3ug/ml) staining of U251 (A), (0.03ug/ml) nuclear K562 (B) and (1ug/ml) nuclear HeLa (C) cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



Publications

von Holst A, Egbers U, Prochiantz A, Faissner A. Neural stem/progenitor cells express 20 tenascin C isoforms that are differentially regulated by pax6. *J Biol Chem* 2007-02-12 [PMID: 17264084]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-61654

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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