

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

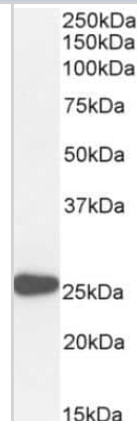
Product Description	
Host	Goat
Gene ID	5080
Gene Symbol	PAX6
Species	Mouse
Marker	Neural Marker
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms (NP_000271.1 and NP_001595.2).
Immunogen	Peptide with sequence C-REEKLRNQRRQASN corresponding to internal region according 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.

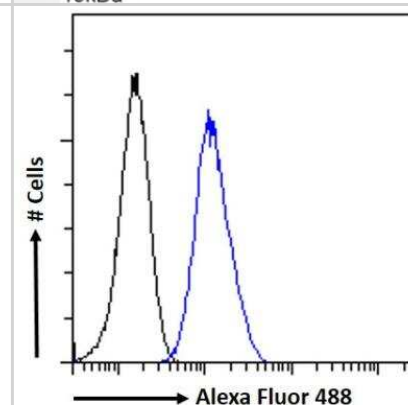


Images

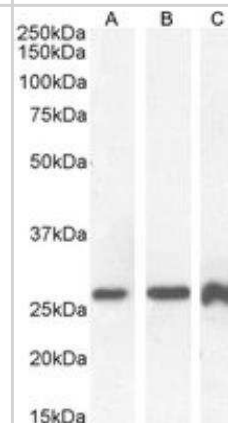
Western Blot: Pax6 Antibody [NB100-61654] - (0.5ug/ml) staining of RAW264.7 cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



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]



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Products Related to NB100-61654

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
H00005080-P01-10ug	Recombinant Human Pax6 GST (N-Term) Protein

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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