

Product Datasheet

Pax3 Antibody NB100-1420

Unit Size: 0.1 mg

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

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Updated 10/23/2024 v.20.1

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NB100-1420

Pax3 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	5077
Gene Symbol	PAX3
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise all 7 reported human isoforms (as represented by NP_000429.2; NP_039230.1; NP_852122.1;.1 NP_852123.1; NP_852124.1; NP_852125.1 and NP_852126.1).
Immunogen	Peptide with sequence TTLAGAVPRMM-C corresponding to N-Terminus according to NP_039230.1, NP_852122.1, NP_852123.1, NP_852124.1, NP_852125.1, NP_852126.1.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Peptide ELISA
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 3 ug/ml, Immunoprecipitation, Immunohistochemistry-Paraffin 1:10-1:500, Peptide ELISA detection limit 1:128000
Application Notes	WB: Approx. 45 kDa band observed in lysates of human brain (cerebellum), duodenum, kidney and Skin, in rat duodenum and stomach lysates, in A431 and HeLa lysates, and in nuclear lysates of Jurkat (calculated MW of 45.2 kDa band according to NP_852125.1 and of 44.8 kDa band according to NP_852126.1). IHC-P: Human Oesophagus shows nuclear staining of cells in the Squamous Epithelium. Data obtained from a previous batch (different goat). Use in immunoprecipitation reported in scientific literature (PMID: 16945326).

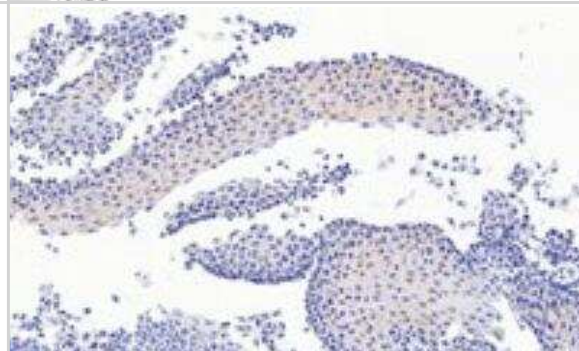


Images

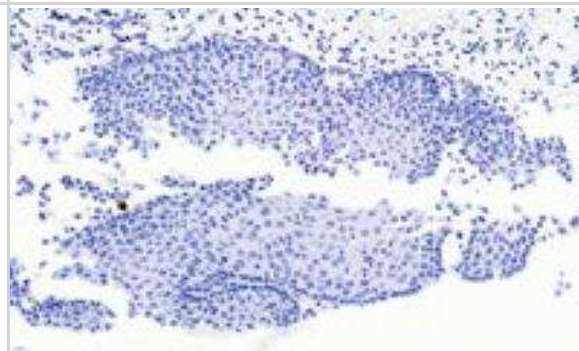
Western Blot: Pax3 Antibody [NB100-1420] - Staining of Human Duodenum lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

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

Immunohistochemistry-Paraffin: Pax3 Antibody [NB100-1420] - Staining of paraffin embedded Human Esophagus. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry-Paraffin: Pax3 Antibody [NB100-1420] - Negative Control showing staining of paraffin embedded Human Esophagus, with no primary antibody.



Publications

Suzuki R, Murata MM, Manguso N et al. The fragility of a structurally diverse duplication block triggers recurrent genomic amplification Nucleic acids research 2020-12-08 [PMID: 33290559] (WB, Human)

Tsukamoto K, Nakamura Y, Niikawa N. Isolation of two isoforms of the PAX3 gene transcripts and their tissue-specific alternative expression in human adult tissues. Hum Genet 1994-03-01 [PMID: 7545913]

Hsieh MJ, Yao YL, Lai IL et al. Transcriptional repression activity of PAX3 is modulated by competition between corepressor KAP1 and heterochromatin protein 1. Biochem Biophys Res Commun. 2006-10-20 [PMID: 16945326] (IP)

Details:
Immunoprecipitation, Figure 3 B.



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Products Related to NB100-1420

NB820-59231	Human Kidney Whole Tissue Lysate (Adult Whole Normal)
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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