

Product Datasheet

Pax6 Antibody - BSA Free NBP2-19711

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 3

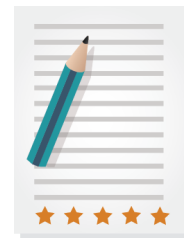
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NBP2-19711

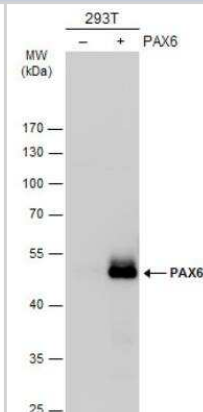
Pax6 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	47 kDa
Product Description	
Description	Novus Biologicals Rabbit Pax6 Antibody - BSA Free (NBP2-19711) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Pax6 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5080
Gene Symbol	PAX6
Species	Human, Mouse, Rat
Reactivity Notes	Xenopus laevis (94%).
Marker	Neural Marker
Immunogen	Recombinant protein encompassing a sequence within the center region of human Pax6. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:1000-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000

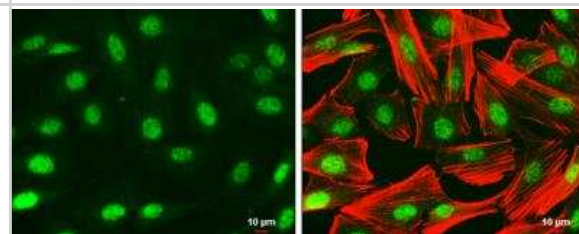


Images

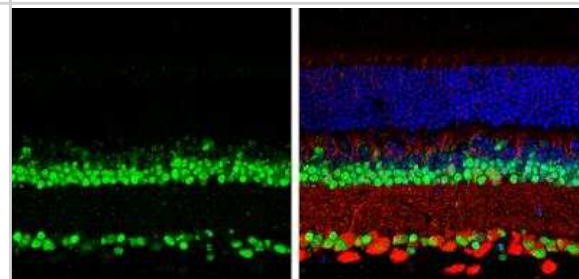
Western Blot: Pax6 Antibody [NBP2-19711] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with PAX6 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



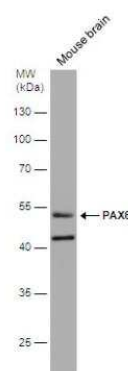
Immunocytochemistry/Immunofluorescence: Pax6 Antibody [NBP2-19711] - SK-N-SH cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: PAX6 protein stained by PAX6 antibody diluted at 1:500. Red: Phalloidin, a cytoskeleton marker, diluted at 1:50. Scale bar = 10 μ m.



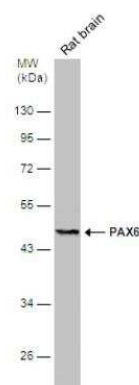
Immunohistochemistry-Paraffin: Pax6 Antibody [NBP2-19711] - Mouse retina. Green: PAX6 protein stained by PAX6 antibody diluted at 1:250. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [1338] diluted at 1:500. Blue: Fluoroshield with DAPI. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



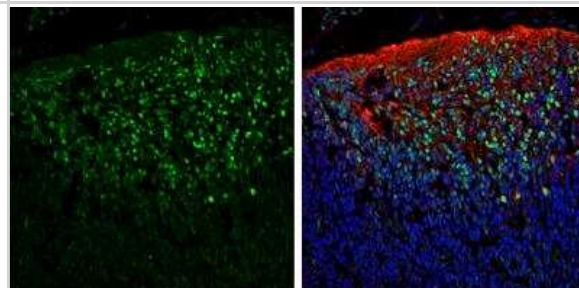
Western Blot: Pax6 Antibody [NBP2-19711] - Mouse tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with PAX6 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



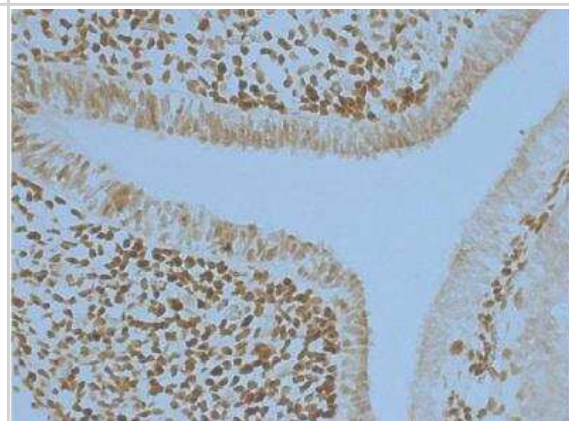
Western Blot: Pax6 Antibody [NBP2-19711] - Rat tissue extract (50 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with PAX6 antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



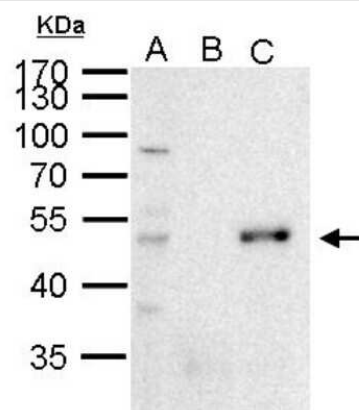
Immunohistochemistry-Frozen: Pax6 Antibody [NBP2-19711] - Frozen sectioned E13.5 Rat brain. Green: PAX6 protein stained by PAX6 antibody diluted at 1:250. Red: beta Tubulin 3/ TUJ1, a mature neuron marker, stained by beta Tubulin 3/ TUJ1 antibody [11710] (NBP2-43559) diluted at 1:500. Blue: Fluoroshield with DAPI.



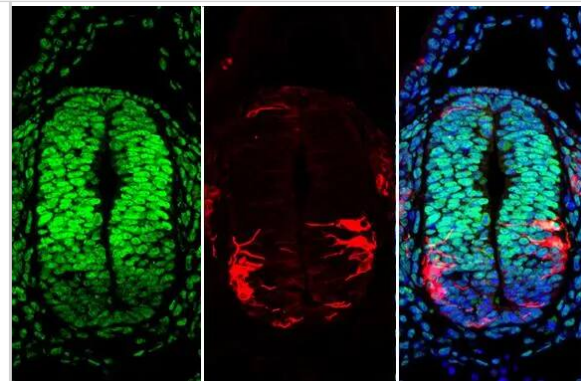
Immunohistochemistry-Frozen: Pax6 Antibody [NBP2-19711] - Frozen section of embryonic mouse brain (mE12.5). PAX6 antibody diluted at 1:250.



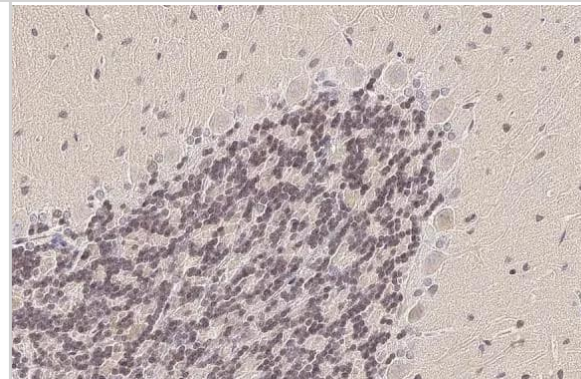
Immunoprecipitation: PAX6 Antibody [NBP2-19711] - Sample: 1000 ug 293T whole cell lysate/extract A. 50 ug 293T whole cell lysate/extract B. Control with 2 ug of preimmune rabbit IgG C. Immunoprecipitation of PAX6 protein by 2 ug of PAX6 antibody 10% SDS-PAGE The immunoprecipitated PAX6 protein was detected by PAX6 antibody diluted at 1:1000. anti-rabbit IgG was used as a secondary reagent.



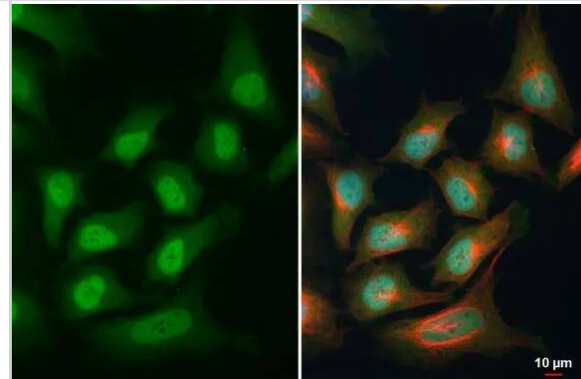
Immunohistochemistry-Paraffin: Pax6 Antibody [NBP2-19711] - Pax6 antibody detects Pax6 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded mouse E10.5 embryo. Green: Pax6 stained by Pax6 antibody (NBP2-19711) diluted at 1:250. Red: beta Tubulin 3/ Tuj1, a cytoskeleton marker, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] diluted at 1:500. Blue: Fluoroshield with DAPI .Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



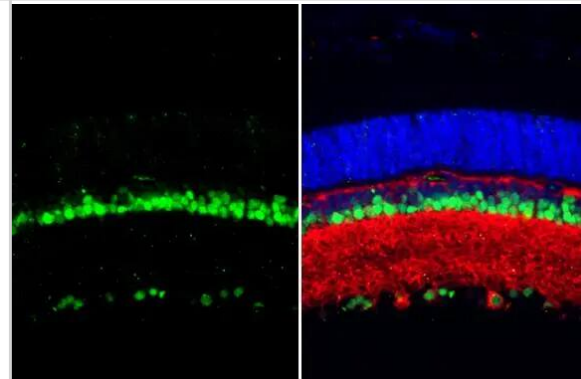
Immunohistochemistry-Paraffin: Pax6 Antibody [NBP2-19711] - Pax6 antibody detects Pax6 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat cerebellum. Pax6 stained by Pax6 antibody (NBP2-19711) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



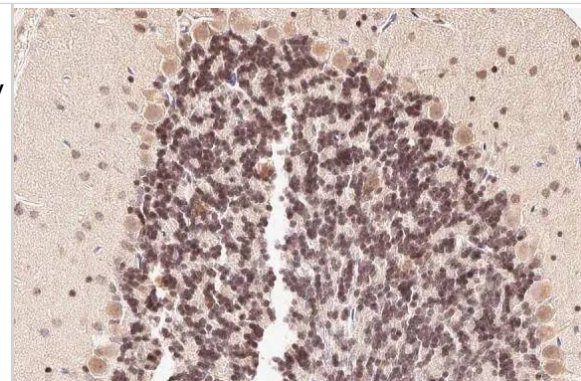
Immunocytochemistry/ Immunofluorescence: Pax6 Antibody [NBP2-19711] - Pax6 antibody detects Pax6 protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Pax6 stained by Pax6 antibody (NBP2-19711) diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] diluted at 1:1000. Blue: Fluoroshield with DAPI .



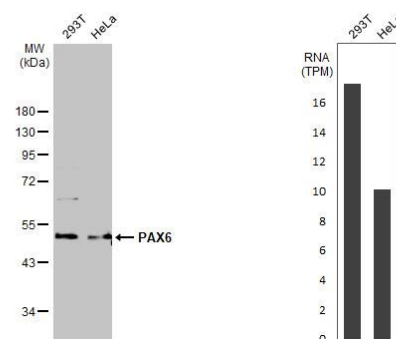
Immunohistochemistry-Paraffin: Pax6 Antibody [NBP2-19711] - Pax6 antibody detects Pax6 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded rat eye. Green: Pax6 stained by Pax6 antibody (NBP2-19711) diluted at 1:250. Red: beta Tubulin 3/ Tuj1, a neural marker, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] diluted at 1:500. Blue: Fluoroshield with DAPI .Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Immunohistochemistry-Paraffin: Pax6 Antibody [NBP2-19711] - Pax6 antibody detects Pax6 protein at nucleus by immunohistochemical analysis. Sample: Paraffin-embedded mouse cerebellum. Pax6 stained by Pax6 antibody (NBP2-19711) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Western Blot: Pax6 Antibody [NBP2-19711] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with PAX6 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Publications

Larrigan S, Joshi SV, Mattar P Divergent phenotypes in constitutive versus conditional mutant mouse models of Sifrim-Hitz-Weiss syndrome Human molecular genetics 2023-09-21 [PMID: 37738575]

Larrigan S, Joshi S, Mattar P Divergent phenotypes in germline versus conditional mutant mouse models of Sifrim-Hitz-Weiss Syndrome bioRxiv 2023-02-16 (IHC-Fr, Mouse)

Wen Y, Jin S. Production of neural stem cells from human pluripotent stem cells J. Biotechnol. 2014-08-20 [PMID: 25150215]



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Products Related to NBP2-19711

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00005080-P01-10ug	Recombinant Human Pax6 GST (N-Term) Protein

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