

Anti-PAX6 Antibody (Center)

Catalog Number: A00273-1

About PAX6

PAX6 is paired box gene 6, one of many human homologs of the Drosophila melanogaster gene prd. In addition to the hallmark feature of this gene family, a conserved paired box domain, the encoded protein also contains a homeo box domain. Both domains are known to bind DNA, and function as regulators of gene transcription.

Overview

Product Name	Anti-PAX6 Antibody (Center)
Reactive Species	Human
Description	Boster Bio Anti-PAX6 Antibody (Center) (Catalog # A00273-1). Tested in WB, Flow Cytometry, IF, IHC-P application(s). This antibody reacts with Human.
Application	Flow Cytometry, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P26367

Technical Details

Immunogen	This PAX6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-210 amino acids from the Central region of human PAX6.
Predicted Reactive Species	Bovine, Mouse, Rat, Xenopus
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

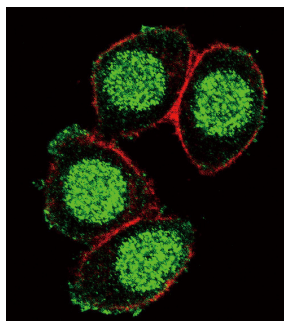
IF: 1:10-1:50

WB: 1:1000

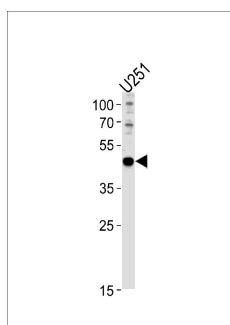
IHC-P: 1:10-1:50

FC: 1:10-1:50

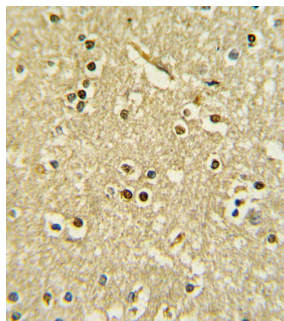
Anti-PAX6 Antibody (Center) (A00273-1) Images



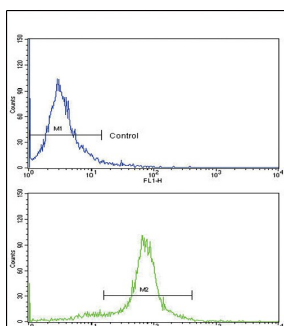
Confocal immunofluorescent analysis of PAX6 Antibody (Center) with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



PAX6 Antibody (Center) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the PAX6 antibody detected the PAX6 protein (arrow).



Formalin-fixed and paraffin-embedded human brain tissue with PAX6 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of HeLa cells using PAX6 Antibody (Center) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-PAX6 Antibody (Center)