For Research Use Only

PAX6 Polyclonal antibody

Catalog Number:12323-1-AP

Featured Product

56 Publications

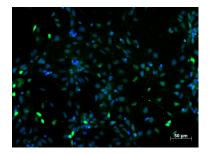


Basic Information	Catalog Number: 12323-1-AP	GenBank Accession Nu BC011953	imber:	Purification Method: Antigen affinity purification	
	Size: 150ul , Concentration: 900 µg/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG2984	GeneID (NCBI): 5080 UNIPROT ID: P26367 Full Name: paired box 6 Calculated MW:		Recommended Dilutions:	
				WB 1:500-1:3000 IHC 1:500-1:2000	
		47 kDa			
		Observed MW: 47 kDa			
Applications	Tested Applications:		Positive Controls:		
	WB, IF, FC, IHC, ELISA Cited Applications:			VB : Y79 cells, mouse embryo tissue, human stomac issue, rat brain tissue	
	WB, IF, IHC			ouse brain tissue, mouse eye tissue, human	
				lastoma tissue, mouse embryo tissue	
	Cited Species: human, rat, mouse				
	Note-IHC: suggested antigen (TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen			
Background Information	PAX6, a paired domain and homeodo ubiquitination of PAX6 and its protea and considered a master control gen olfactory, central nervous systems, p as aniridia and Peter's anomaly.	somal degradation. PA) e for retinal and eye dev	(6 is one of the elopment. PA)	earliest genes expressed in the 6 also regulates the developme	eye fie nt of th
	PAX6, a paired domain and homeodo ubiquitination of PAX6 and its protea and considered a master control gene olfactory, central nervous systems, p as aniridia and Peter's anomaly.	isomal degradation. PA) e for retinal and eye dev ituitary, and pancreas. P	(6 is one of the elopment. PA) AX6 mutations	earliest genes expressed in the K6 also regulates the developme s can cause complex ocular disor	eye fie ent of th ders su
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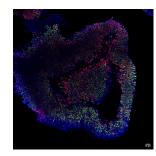
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

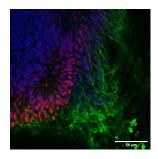
Selected Validation Data



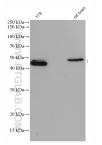
Immunofluorescent staining of PAX6 (12323-1-AP, 1:250 dilution) with 4% PFA fixed control human induced pluripotent stem cells (hiPSC) derived neuronal precursor cells (NPCs). (Green: PAX6; Blue: DAPI). Provided by BioTalentum Ltd., Hungary.



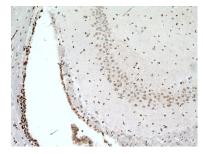
Retinal organoids (day 30) generated from human induced pluripotent stem cells (iPSCs) and fixed with 4% PFA. Stained for PAX6 with 12323-1-AP at 1:600 (green), and SOX2 with 11064-1-AP at 1:200 (red), Nuclear stain DAPI (blue). Scale bar = 20 µm. Data generated by Alessandro Bellapianta at Johannes Kepler Universitat, Austria.



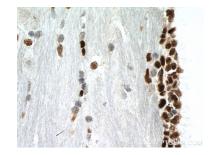
Retinal organoids (day 30) generated from human induced pluripotent stem cells (iPSCs) and fixed with 4% PFA. Stained for Tubulin beta 3/TU11 using 66375-1-1g at 1:500 dilution (green) and PAX6 (12323-1-AP) at 1:500. Nuclear stain DAPI (blue). Scale bar = 50 µm. Data generated by Alessandro Bellapianta at Johannes Kepler Universitat, Austria.



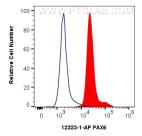
Various lysates were subjected to SDS PAGE followed by western blot with 12323-1-AP (PAX6 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 12323-1-AP (PAX6 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 12323-1-AP (PAX6 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10^6 SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human PAX6 (12323-1-AP) and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).