For Research Use Only

PAX6 Polyclonal antibody

Catalog Number:12323-1-AP

Featured Product



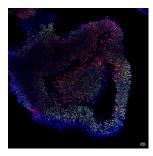


Basic Information	Catalog Number: 12323-1-AP	GenBank Access BC011953	sion Number:	Purification Method: Antigen affinity purification	
	Concentration:	GeneID (NCBI):		Recommended Dilutions:	
	900 ug/ml	5080		WB: 1:500-1:3000	
	Source:	UNIPROT ID:		IHC: 1:1000-1:4000 IF-P: 1:50-1:500	
	Rabbit	P26367		IF: 1:10-1:100	
	Isotype: IgG	Full Name: paired box 6		FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension	
	Immunogen Catalog Number: AG2984	Calculated MW: 47 kDa		100 µl suspension	
		Observed MW: 47 kDa			
A 11 41	Tested Applications:		Pocitivo Co	antrol s:	
Applications	WB, IHC, IF, IF-P, FC (Intra), ELISA		Positive Controls: WB : Y79 cells, mouse embryo tissue, rat brain tissue		
	Cited Applications:				
	WB, IHC, IF		•	IHC : rat eye tissue, mouse embryo tissue, mouse brair tissue, mouse eye tissue, human retinoblastoma tissue, mouse cerebellum tissue	
	Species Specificity:				
	human, mouse, rat		IF-P : mous	e eye tissue, rat eye tissue	
	Cited Species:		IF : Retinal	IF : Retinal organoids, iPS cells	
	numan, mouse, rat, monkey, zebransn		FC (Intra) :	FC (Intra) : SH-SY5Y cells,	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	ubiquitination of PAX6 and its pro and considered a master control g	teasomal degradation	on. PAX6 is one of t ye development. P	r. Interaction with TRIM11 leads to he earliest genes expressed in the eye fiel AX6 also regulates the development of the ns can cause complex ocular disorders suc	
	Author	Pubmed ID	Journal	Application	
Notable Publications				WB	
Notable Publications		36249018	Front Oncol	VVD	
Notable Publications	Xin Wen	36249018 36074953	ACS Chem Neuros		
Notable Publications	Xin Wen Xi Gu	36074953			

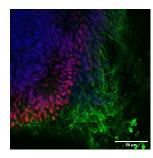
For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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

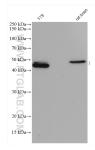
Selected Validation Data



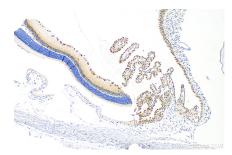
Retinal organoids (day 30) generated from human induced pluripotent stem cells (iPSCs) and fixed with 4% PFA. Stained for PAX6 with 12323-1-AP at 1:600 (green), and SOX2 with 11064-1-AP at 1:200 (red), Nuclear stain DAPI (blue). Scale bar = 20 µm. Data generated by Alessandro Bellapianta at Johannes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



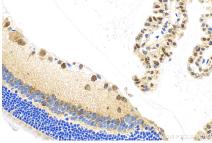
Retinal organoids (day 30) generated from human induced pluripotent stem cells (iPSCs) and fixed with 4% PFA. Stained for Tubulin beta 3/TUJ1 using 66375-1-1g at 1:500 dilution (green) and PAX6 (12323-1-AP) at 1:500. Nuclear stain DAPI (blue). Scale bar = 50 µm. Data generated by Alessandro Bellapianta at Johannes Kepler Universitat, Austria.



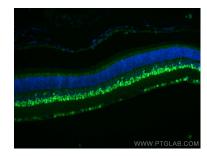
Various lysates were subjected to SDS PAGE followed by western blot with 12323-1-AP (PAX6 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



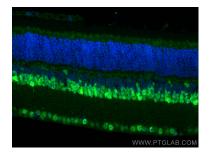
Immunohistochemical analysis of paraffinembedded rat eye tissue slide using 12323-1-AP (PAX6 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



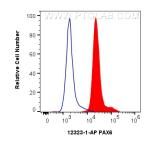
Immunohistochemical analysis of paraffinembedded rat eye tissue slide using 12323-1-AP (PAX6 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse eye tissue using PAX6 antibody (12323-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse eye tissue using PAX6 antibody (12323-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). 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).