

For Research Use Only

PAX6 Monoclonal antibody, PBS Only

Catalog Number: 67529-1-PBS **1 Publications**



Basic Information

Catalog Number: 67529-1-PBS	GenBank Accession Number: BC011953	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5080	CloneNo.: 2C5A1
Source: Mouse	UNIPROT ID: P26367	
Isotype: IgG1	Full Name: paired box 6	
Immunogen Catalog Number: AG29977	Calculated MW: 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Cited Applications:
IF

Species Specificity:
human, mouse, rat

Cited Species:
rat

Background Information

PAX6, a paired domain and homeodomain-containing transcription factor. Interaction with TRIM11 leads to ubiquitination of PAX6 and its proteasomal degradation. PAX6 is one of the earliest genes expressed in the eye field and considered a master control gene for retinal and eye development. PAX6 also regulates the development of the olfactory, central nervous systems, pituitary, and pancreas. PAX6 mutations can cause complex ocular disorders such as aniridia and Peter's anomaly.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuxue Mu	39254570	Neural Regen Res	IF

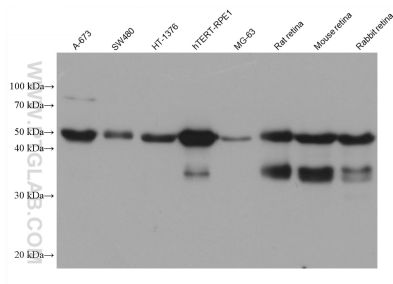
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

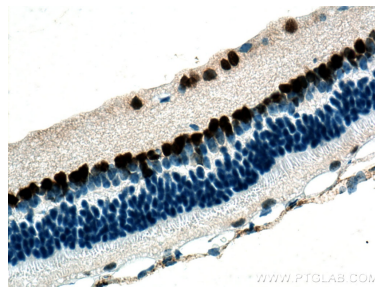
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

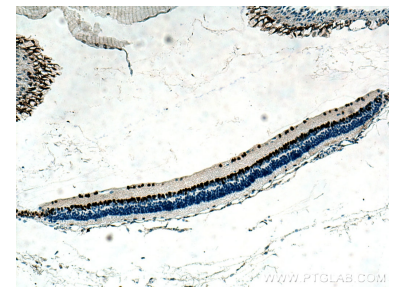
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67529-1-Ig (PAX6 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67529-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 67529-1-Ig (PAX6 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67529-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 67529-1-Ig (PAX6 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67529-1-PBS in a different storage buffer formulation.