

For Research Use Only

PRDM8 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84716-2-PBS



Basic Information

Catalog Number: 84716-2-PBS	GenBank Accession Number: BC071584	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 56978	CloneNo.: 242203D8
Source: Rabbit	UNIPROT ID: Q9NQV8	
Isotype: IgG	Full Name: PR domain containing 8	
Immunogen Catalog Number: AG23373		

Applications

Tested Applications:
WB, IHC, IF-P, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

84716-2-PBS targets PRDM8 as part of a matched antibody pair:

MP01532-1: 84716-2-PBS capture and 84716-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

PRDI-BF1 and RIZ homology domain zinc finger protein 8 (PRDM8) belongs to the PRDM family characterized by a conserved N-terminal PR domain related to the catalytic SET domains. PRDM8 is a key regulator in neural development and testis steroidogenesis (PMID: 32819411). PRDM8 is mainly demonstrated as a crucial regulatory molecule during neural development and testis steroidogenesis and expressed at low levels in HCC tissues (PMID: 29572888).

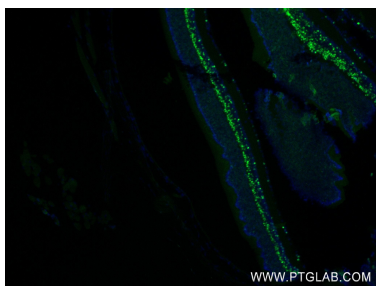
Storage

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

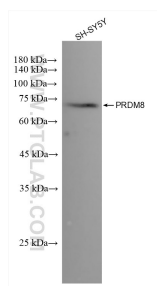
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

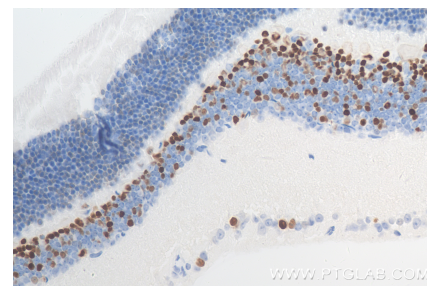
Selected Validation Data



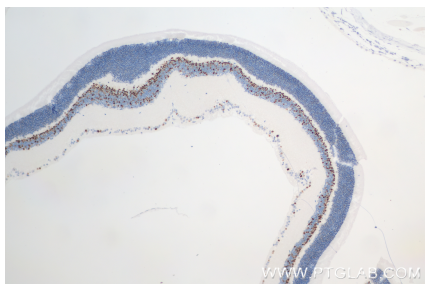
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse eye tissue using PRDM8 antibody (84716-2-RR, Clone: 242203D8) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84716-2-PBS in a different storage buffer formulation.



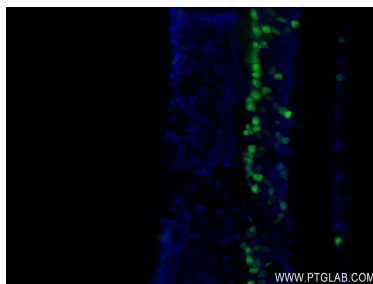
Various lysates were subjected to SDS PAGE followed by western blot with 84716-2-RR (PRDM8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84716-2-PBS in a different storage buffer formulation.



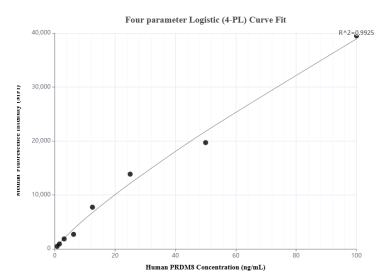
Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 84716-2-RR (PRDM8 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84716-2-PBS in a different storage buffer formulation.



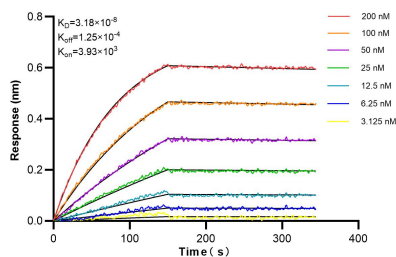
Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 84716-2-RR (PRDM8 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84716-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse eye tissue using PRDM8 antibody (84716-2-RR, Clone: 242203D8) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84716-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01532-1, PRDM8 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84716-2-PBS. Detection antibody: 84716-3-PBS. Standard: Ag23373. Range: 0.781-100 ng/mL



Biolayer interferometry (BLI) kinetic assays of 84716-2-RR against Human PRDM8 were performed. The affinity constant is 31.8 nM.