

For Research Use Only

# PLEKHO2 Polyclonal antibody

Catalog Number: 21356-1-AP



## Basic Information

<b>Catalog Number:</b> 21356-1-AP	<b>GenBank Accession Number:</b> BC008744	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 287 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 80301	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> pleckstrin homology domain containing, family O member 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 490 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG15786	<b>Observed MW:</b> 53 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, mouse thymus tissue
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> mouse spleen tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IF :</b> A431 cells,

## Background Information

Pleckstrin homology domain-containing proteins family O member 2 (PLEKHO2)'s function remains largely unknown. Genetic polymorphisms of PLEKHO2 contribute to diabetic retinopathy (DR) development. Functional prediction analysis strengthened the likelihood of participation of PLEKHO2 in the development of DR (Eric C. Han et al., 2012).

## Storage

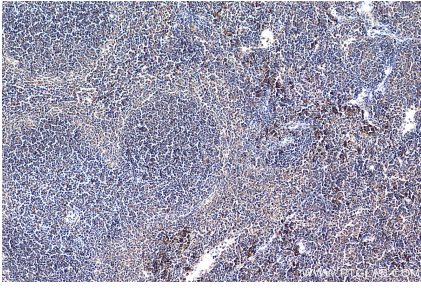
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

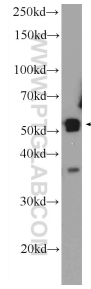
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

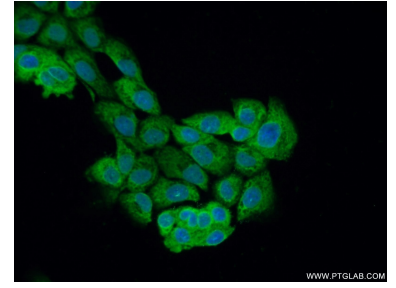
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 21356-1-AP (PLEKHO2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 21356-1-AP (PLEKHO2 Antibody) at dilution of 1:300 incubated at 4 degree celsius over night.



Immunofluorescent analysis of A431 cells using 21356-1-AP (PLEKHO2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).