

For Research Use Only

# PREPL Polyclonal antibody

Catalog Number: 12478-1-AP



## Basic Information

<b>Catalog Number:</b> 12478-1-AP	<b>GenBank Accession Number:</b> BC013193	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 187 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9581	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q4J6C6	
<b>Isotype:</b> IgG	<b>Full Name:</b> prolyl endopeptidase-like	
<b>Immunogen Catalog Number:</b> AG3196	<b>Calculated MW:</b> 72 kDa	
	<b>Observed MW:</b> 72 kDa	

## Applications

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

## Background Information

PREPL (Prolyl endopeptidase-like) is also named as KIAA0436 and belongs to the prolyl oligopeptidase subfamily of serine peptidases. IPREPL is a novel oligopeptidase with unique structural and functional characteristics (PMID:16385448). It has 4 isoforms produced by alternative splicing and can exist as a homodimer (PMID:16143824). Defects in PREPL are a cause of hypotonia-cystinuria syndrome (HCS).

## Storage

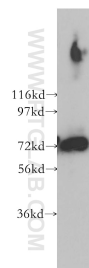
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

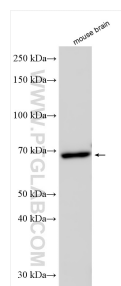
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

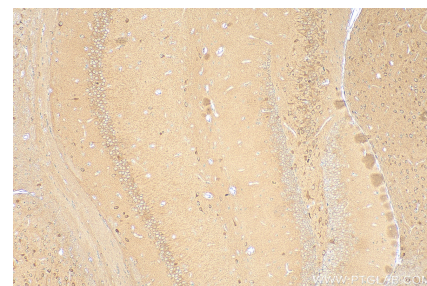
## Selected Validation Data



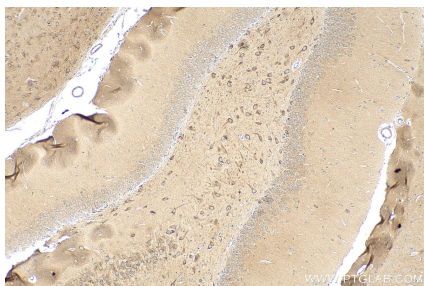
human brain tissue were subjected to SDS PAGE followed by western blot with 12478-1-AP (PREPL antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12478-1-AP (PREPL antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12478-1-AP (PREPL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12478-1-AP (PREPL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).