

For Research Use Only

# PREB Polyclonal antibody

Catalog Number: 10146-2-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 10146-2-AP	<b>GenBank Accession Number:</b> BC002765	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10113	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> prolactin regulatory element binding	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 45 kDa	<b>IF 1:10-1:100</b>
<b>Immunogen Catalog Number:</b> AG0202	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
CoIP, IF, IP, WB

**Species Specificity:**  
human, mouse

**Cited Species:**  
human, mouse

**Positive Controls:**

**WB:** SKOV-3 cells, 3T3-L1 cells, HT-1080 cells, HepG2 cells

**IP:** SKOV-3 cells,

**IHC:** human prostate cancer tissue, human ovary tumor tissue

**IF:** HepG2 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

PREB contains two PQ-rich potential transactivation domains, but no apparent DNA-binding motif, and exhibits sequence-specific binding to Pit1-binding element of the prolactin (PRL) promoter. It may act as a transcriptional regulator and is thought to be involved in some of the developmental abnormalities observed in patients with partial trisomy 2p.

## Notable Publications

Author	Pubmed ID	Journal	Application
Mengyue You	36252341	Redox Biol	WB
Jiaxin Sun	28515233	J Cell Sci	WB, CoIP
Joo-Man Park	29601978	Biochim Biophys Acta	WB

## 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

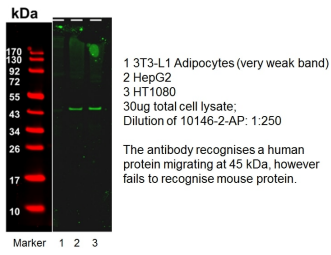
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

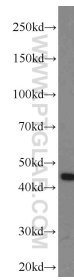
E: proteintech@ptglab.com  
W: ptglab.com

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

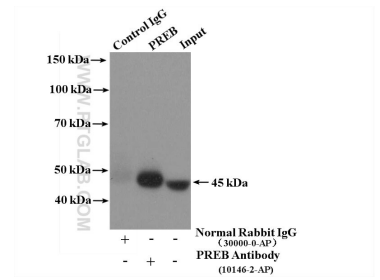
## Selected Validation Data



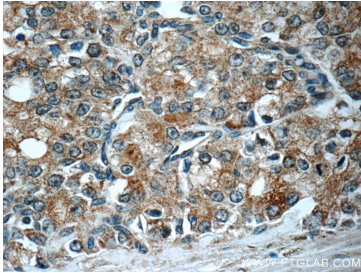
WB result of anti-PREB (10146-2-AP, 1:250) with HepG2 and HT1080 by Dr. Dzmitry Batrakov.



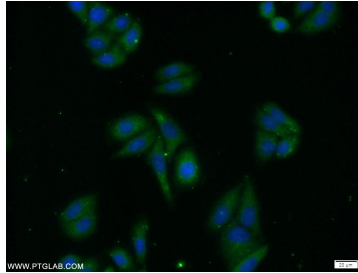
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 10146-2-AP (PREB antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-PREB (IP:10146-2-AP, 4ug; Detection:10146-2-AP 1:500) with SKOV-3 cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10146-2-AP (PREB Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 10146-2-AP (PREB antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).