

For Research Use Only

# SHOX Polyclonal antibody

Catalog Number: 25117-1-AP



## Basic Information

### Catalog Number:

25117-1-AP

### Size:

150ul , Concentration: 600 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18930

### GenBank Accession Number:

BC148783

### GeneID (NCBI):

6473

### UNIPROT ID:

O15266

### Full Name:

short stature homeobox

### Calculated MW:

292 aa, 32 kDa

### Observed MW:

25-32 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse

### Positive Controls:

WB : mouse brain tissue, fetal human brain tissue

## Background Information

Short stature homeobox protein (SHOX), also named as GCFX, is a 292 amino acid protein, which contains one homeobox DNA-binding domain and belongs to the paired homeobox family. SHOX controls fundamental aspects of growth and development. SHOX undergoes splicing resulting in two isoforms, SHOXA and SHOXB. SHOXA is a 32 kDa protein and is expressed in skeletal muscle, placental, pancreas, heart and bone marrow fibroblast and, to a lesser extent, in kidney and lung. SHOXB is 25 kDa protein and is highly expressed in osteogenic cells, but not expressed in brain, kidney, liver or lung.

## 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

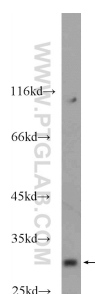
For technical support and original validation data for this product please contact:

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



mouse brain tissue were subjected to SDS PAGE followed by western blot with 25117-1-AP (SHOX Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.