

SHOX Polyclonal antibody

Catalog Number: 25117-1-AP

Basic Information

Catalog Number:

25117-1-AP

Size:

600 µg/ml

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:

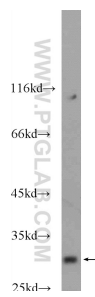
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.