

**SHOX Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13401b****Specification**

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**SHOX Antibody (C-term) Blocking peptide - Product Information**Primary Accession [O15266](#)**SHOX Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 6473**Other Names**

Short stature homeobox protein, Pseudoautosomal homeobox-containing osteogenic protein, Short stature homeobox-containing protein, SHOX, PHOG

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13401b was selected from the C-term region of SHOX. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SHOX Antibody (C-term) Blocking peptide - Protein Information****Name** SHOX**Synonyms** PHOG**Function**

Controls fundamental aspects of growth and development.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000255|PROSITE-ProRule:PRU00138}

**Tissue Location**

SHOXA is expressed in skeletal muscle, placenta, pancreas, heart and bone marrow fibroblast and SHOXB is highly expressed in bone marrow fibroblast followed by kidney and skeletal muscle. SHOXB is not expressed in brain, kidney, liver and lung. Highly expressed in osteogenic cells

### **SHOX Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **SHOX Antibody (C-term) Blocking peptide - Images**

### **SHOX Antibody (C-term) Blocking peptide - Background**

This gene belongs to the paired homeobox family and is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. Defects in this gene are associated with idiopathic growth retardation and in the short stature phenotype of Turner syndrome patients. This gene is highly conserved across species from mammals to fish to flies. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

### **SHOX Antibody (C-term) Blocking peptide - References**

Barroso, E., et al. Eur J Med Genet 53(4):204-207(2010) D'haene, B., et al. J. Clin. Endocrinol. Metab. 95(6):3010-3018(2010) Durand, C., et al. Eur. J. Hum. Genet. 18(5):527-532(2010) Chen, J., et al. J. Med. Genet. 46(12):834-839(2009) Gahunia, H.K., et al. Semin Musculoskelet Radiol 13(3):236-254(2009)