

SHOX2 Rabbit pAb

SHOX2 Rabbit pAb Catalog # AP56706

Product Information

Application IHC-P, IHC-F, IF

Primary Accession 060902

Reactivity Rat, Pig, Rabbit, Chicken, Dog, Horse

HostRabbitClonalityPolyclonalCalculated MW34953Physical StateLiquid

Immunogen KLH conjugated synthetic peptide derived from human SHOX2

Epitope Specificity 101-200/331

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus

SIMILARITY Belongs to the paired homeobox family. Bicoid subfamily. Contains 1

homeobox DNA-binding domain.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions This gene is a member of the homeobox family of genes that encode proteins

containing a 60-amino acid residue motif that represents a DNA binding domain. Homeobox genes have been characterized extensively as

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transcriptional regulators involved in pattern formation in both invertebrate and vertebrate species. Several human genetic disorders are caused by

aberrations in human homeobox genes. This locus represents a

pseudoautosomal homeobox gene that is thought to be responsible for idiopathic short stature, and it is implicated in the short stature phenotype of Turner syndrome patients. This gene is considered to be a candidate gene for Cornelia de Lange syndrome. Alternative splicing results in multiple transcript

variants. [provided by RefSeq, Jul 2009]

Additional Information

Gene ID 6474

Other Names Short stature homeobox protein 2, Homeobox protein Og12X, Paired-related

homeobox protein SHOT, SHOX2, OG12X, SHOT

Target/Specificity Expressed in heart, skeletal muscle, liver, lung, bone marrow fibroblast,

pancreas and placenta.

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name SHOX2

Synonyms OG12X, SHOT

Function May be a growth regulator and have a role in specifying neural systems

involved in processing somatosensory information, as well as in face and

body structure formation.

Cellular Location Nucleus.

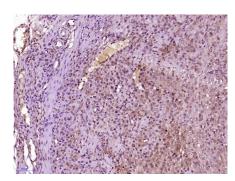
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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse embryo); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SHOX2) Polyclonal Antibody, Unconjugated (AP56706) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.