

Rabbit SHOX2 Polyclonal Antibody | anti-SHOX2 antibody

SHOX2 antibody - N-terminal region

CATALOG # AAA197554	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Human, Mouse, Rat, Zebrafish	APPLICATIONS Western Blot
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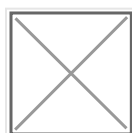
PRODUCT SYNONYMS

SHOX2; Polyclonal Antibody; SHOX2 antibody - N-terminal region; anti-SHOX2 antibody

PRODUCT SPECIFICATIONS

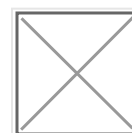
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: EE LTAFVSKSFD QKVKEKKEAI TYREVLESGP LRGAKPTGC TEAGRDDR
Sequence Length	331
Applicable Applications for anti-SHOX2 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SHOX2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-SHOX2 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:31250
 Positive Control: 721_B cell lysate
 SHOX2 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



WB (Western Blot)

Host: Rabbit
 Target Name: SHOX2
 Sample Type: Human Fetal Brain
 Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-SHOX2 antibody	<p>This is a rabbit polyclonal antibody against SHOX2. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: SHOX2 is a member of the homeo box family of genes that encode proteins containing a 60-amino acid residue motif that represents a DNA binding domain. Homeo box genes have been characterized extensively as transcriptional regulators involved in pattern formation in both invertebrate and vertebrate species. Several human genetic disorders are caused by aberrations in human homeo box genes. SHOX is a pseudoautosomal homeo box gene that is thought to be responsible for idiopathic short stature and implicated to play a role in the short stature phenotype of Turner syndrome patients. This gene is a member of the homeo box family of genes that encode proteins containing a 60-amino acid residue motif that represents a DNA binding domain. Homeo box genes have been characterized extensively as transcriptional regulators involved in pattern formation in both invertebrate and vertebrate species. Several human genetic disorders are caused by aberrations in human homeo box genes. SHOX is a pseudoautosomal homeo box gene that is thought to be responsible for idiopathic short stature and implicated to play a role 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 has been observed at this locus and two variants, each encoding a distinct isoform, have been identified.</p>
Product Categories/Family for anti-SHOX2 antibody	Polyclonal; Transcription Factor; Neurobiology; Transcription Regulation; Disease Related; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	89145413
NCBI GeneID	6474
NCBI Accession #	NP_006875
NCBI GenBank Nucleotide #	NM_006884
UniProt Accession #	O60902
Molecular Weight	35kDa
NCBI Official Full Name	short stature homeobox protein 2 isoform a
NCBI Official Synonym Full Names	short stature homeobox 2
NCBI Official Symbol	SHOX2
NCBI Official Synonym Symbols	OG12; SHOT; OG12X
NCBI Protein Information	short stature homeobox protein 2
UniProt Protein Name	Short stature homeobox protein 2
UniProt Gene Name	SHOX2
UniProt Synonym Gene Names	OG12X; SHOT
UniProt Entry Name	SHOX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.