



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Product Number	ARP58069_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/shox2-antibody-middle-region-hrp-arp58069-p050-hrp.html">www.avivasysbio.com/shox2-antibody-middle-region-hrp-arp58069-p050-hrp.html</a>
Name	SHOX2 Antibody - middle region : HRP (ARP58069_P050-HRP)
Protein Size (# AA)	331 amino acids
Molecular Weight	35kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	6474
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Short stature homeobox 2
Alias Symbols	OG12, SHOT, OG12X
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">PGSPRLTEVSPFLKDRKEDAKGMEDEGQTKIKQRRSRTNFTLEQLNELER</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Hillman,R.T., Genome Biol. 5 (2), R8 (2004)
Description of Target	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.
Protein Interactions	CDK4; ELAVL1; TRIM29; KDM5B;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-SHOX2 (ARP58069_P050-HRP) antibody</a>
Blocking Peptide	For anti-SHOX2 (ARP58069_P050-HRP) antibody is <a href="#">Catalog # AAP58069</a> (Previous Catalog # AAPP32492)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SHOX2
Uniprot ID	<a href="#">O60902</a>
Protein Name	Short stature homeobox protein 2
Protein Accession #	<a href="#">NP_006875</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_006884</a>
Gene Symbol	<a href="#">SHOX2</a>

<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 93%; Guinea Pig: 100%; Human: 100%; Mouse: 93%; Rat: 100%
<b>Image 1</b>	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two heavy chains are connected to each other and to the two light chains, forming a Y-shape with two antigen-binding arms.

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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