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Product datasheet for TA344470

SHOX2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SHOX2 antibody: synthetic peptide directed towards the middle region of human SHOX2. Synthetic peptide located within the following region: PGSPRLTEVSPELKDRKEDAKGMEDEGQTKIKQRRSRTNFTLEQLNELER
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	short stature homeobox 2
Database Link:	NP_006875 Entrez Gene 6474 Human O60902

View online »

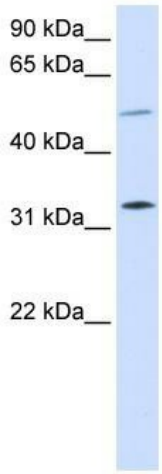
Background: SHOX2 is a member of the homeo box family of genes that encode proteins containing a 60-amino acid residue motif that represents a DNA binding domain. Homeo box genes have been characterized extensively as transcriptional regulators involved in pattern formation in both invertebrate and vertebrate 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.

Synonyms: OG12; OG12X; SHOT

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Bovine: 100%; Guinea pig: 100%; Dog: 93%; Mouse: 93%

Protein Families: Transcription Factors

Product images:



WB Suggested Anti-SHOX2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: 293T cell lysate