



# Anti-SOX4 (aa 45-136) polyclonal antibody (DPAB-DC2941)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin). The protein may function in the apoptosis pathway leading to cell death as well as to tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development. The solution structure has been resolved for the HMG-box of a similar mouse protein.
<b>Immunogen</b>	SOX4 (NP_003098, 45 a.a. ~ 136 a.a) partial recombinant protein with GST tag. The sequence is KADDPSWCKTPSGHIKRPNAFMVWSQIERRKIMEQSPDMHNAEISKRLGKRWKLLKDSD KIPFIREAERLRLKHMADYPDYKYRPRKKVKS
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">SOX4 SRY (sex determining region Y)-box 4 [ Homo sapiens (human) ]</a>
Official Symbol	SOX4
Synonyms	SOX4; SRY (sex determining region Y)-box 4; EVI16; transcription factor SOX-4; SRY-related HMG-box gene 4; ecotropic viral integration site 16;
Entrez Gene ID	<a href="#">6659</a>
Protein Refseq	<a href="#">NP_003098</a>
UniProt ID	<a href="#">Q06945</a>
Chromosome Location	6p22.3
Pathway	IL-5 Signaling Pathway; MicroRNAs in cancer;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II transcription coactivator activity; core promoter sequence-specific DNA binding