

## Basic Information

<b>Product Name</b>	Anti-SOX7 Antibody
<b>Gene Name</b>	SOX7
<b>Source</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human
<b>Tested Application</b>	WB, ELISA
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	E.coli-derived human SOX7 recombinant protein (Position: K57-D343).
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Observed MW</b>	43 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

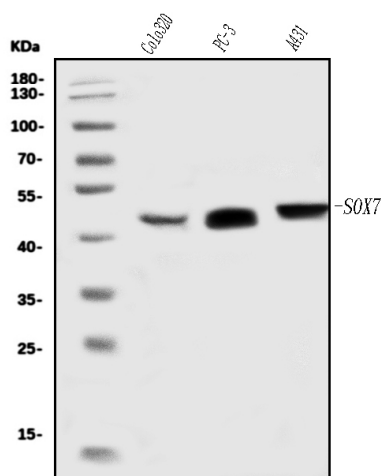
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

SOX7 belongs to SOX gene family and SOX proteins are transcription factors with critical roles in the regulation of diverse developmental processes. This gene is mapped to 8p23.1. SOX7 gene contains at least 2 exons. In cotransfected 293 cells, Sox7 reduced Wnt(see WNT1)/beta-catenin(see CTNNB1)- stimulated transcription. SOX7 is a potent activator of FGF3 transcription. It not only plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium but also blocks further differentiation into blood precursors. And it may be required for the survival of both hematopoietic and endothelial precursors during specification.

## Selected Validation Data



Western blot analysis of SOX7 using anti-SOX7 antibody (A05013-1).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Colo320 whole cell lysates,

Lane 2: PC-3 whole cell lysates,

Lane 3: A431 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-SOX7 antigen

affinity purified polyclonal antibody (A05013-1) at a dilution of

1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was

detected for SOX7 at approximately 43 kDa. The expected band size

for SOX7 is at 42 kDa.