



## Rabbit Anti-SIX homeobox 4 antibody

SL17503R

<b>Product Name:</b>	SIX homeobox 4
<b>Chinese Name:</b>	同源盒蛋白SIX4抗体
<b>Alias:</b>	AREC 3; AREC3; Homeobox protein SIX4; MGC119450; MGC119452; MGC119453; Sine oculis homeobox homolog 4; SIX4; SIX4 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Sheep,Guinea Pig,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	83kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SIX homeobox 4:701-781/781
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a member of the homeobox family, subfamily SIX. The drosophila homolog is a nuclear homeoprotein required for eye development. Studies in mouse show that this gene product functions as a transcription factor, and may have a role in the differentiation or maturation of neuronal cells. [provided by RefSeq, May 2010]  <b>Subcellular Location:</b>

Nucleus.

**Post-translational modifications:**

Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the SIX/Sine oculis homeobox family.  
Contains 1 homeobox DNA-binding domain.

**SWISS:**

Q9UIU6

**Gene ID:**

51804

**Database links:**

[Entrez Gene: 51804](#) Human

[Entrez Gene: 20474](#) Mouse

[Entrez Gene: 299138](#) Rat

[Omim: 606342](#) Human

[SwissProt: Q9UIU6](#) Human

[SwissProt: Q61321](#) Mouse

[Unigene: 690393](#) Human

[Unigene: 97849](#) Human

[Unigene: 249575](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.