



# Mouse anti-Human SOX12 monoclonal antibody, clone 3D5 (CABT-B11484)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	SOX12 (NP_008874, 252 a.a. ~ 314 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	3D5
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,sELISA,ELISA
<b>Sequence Similarities</b>	LGFLSRLPPGPAGLDCSALDRDPLQPPSGTSHFEFPDYCTPEVTEMIAGDWRPSSIADL VF*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	Members of the SOX family of transcription factors are characterized by the presence of a DNA-binding high mobility group (HMG) domain, homologous to the HMG box of sex-
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determining region Y (SRY). Forming a subgroup of the HMG domain superfamily, SOX proteins have been implicated in cell fate decisions in a diverse range of developmental processes. SOX transcription factors have diverse tissue-specific expression patterns during early development and have been proposed to act as target-specific transcription factors and/or as chromatin structure regulatory elements. The protein encoded by this gene was identified as a SOX family member based on conserved domains, and its expression in various tissues suggests a role in both differentiation and maintenance of several cell types. [provided by RefSeq, Jan 2013]

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<b>Keywords</b>	SOX12; SRY (sex determining region Y)-box 12; SOX22; transcription factor SOX-12; SOX-22 protein; SRY-related HMG-box gene 22;
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## GENE INFORMATION

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<b>Entrez Gene ID</b>	<a href="#">6666</a>
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<b>UniProt ID</b>	<a href="#">O15370</a>
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<b>Function</b>	DNA binding; 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; transcription regulatory region sequence-specific DNA binding
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