



# Rabbit Anti-Human SOX11 Monoclonal Antibody, clone CQ7181 (CABT-Z237R)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to SOX11 residues within aa300-400 of SOX11 was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7181
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Cellular Localization</b>	Nucleus
<b>Positive Control</b>	Mantle zone cell lymphoma
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store at -20 °C. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	<p>SOX11 (SOX = SRY-related HMG box) is a nuclear transcription factor belonging to subgroup C of SRY (sex determining region on Y-chromosome) related HMG (high mobility group) box genes. It contains 2 functional domains: A HMG box DNA-binding domain, located at the N-terminus, and a transactivation domain (TAD), located at the C-terminus.</p> <p>SOX11 expression is critical for embryonic neurogenesis and tissue remodeling, it is normally expressed during the developing nervous system of human embryos and is required for neurite growth and neuron survival. Expression is seen in fetal tissues (18-25 weeks) mainly in the brain. Outside the CNS SOX11 seems primarily to be expressed at sites of epithelial-mesenchymal interactions. SOX11 is not expressed in normal adult human tissues, and its over-expression is reported in over 90% of mantle cell lymphomas (MCL), including the rare cyclin D1 negative cases.</p> <p>Currently the only diagnostic application is verification of mantle cell lymphomas, particularly the rare cyclin D1 negative cases.</p>
<b>Keywords</b>	SOX11; SRY (sex determining region Y)-box 11; transcription factor SOX-11; SRY related HMG box gene 11; SRY-related HMG-box gene 11; SRY (sex-determining region Y)-box 11

## GENE INFORMATION

<b>Gene Name</b>	SOX11
<b>Entrez Gene ID</b>	<a href="#">6664</a>
<b>UniProt ID</b>	<a href="#">P35716</a>