

## SOX11 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50065

Clone# BP6070

**Predicted Molecular Wt:** 47kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P35716

### Background:

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.

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.

Currently the only diagnostic application is verification of mantle cell lymphomas, particularly the rare cyclin D1 negative cases.

### Subcellular location:

Nucleus

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide corresponding to SOX11 residues within aa300-400 of SOX11 was used as an immunogen.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-20°C

### Storage instructions:

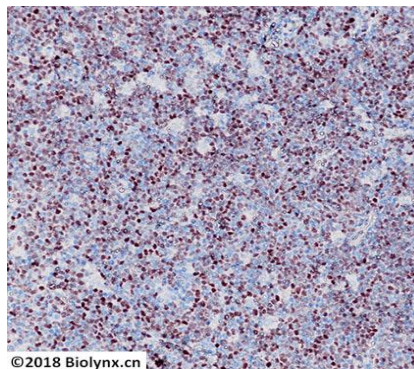
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Chen Y-H et al. Mod. Pathol. 2010;23(1):105-12.
2. Mozos A et al. Haematologica. 2009;94(11):1555-1562.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of mantle zone cell lymphoma tissue labelling SOX11 with BP6070. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.