

SOX2 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50119

Clone# BP6123

Predicted Molecular Wt: 34kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P48431

Background:

The SOX2 gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors. SOX2 is expressed in multipotent neuronal stem cells, and may aid to identify cells that are capable of self-renewal and multipotent differentiation. SOX2 has been shown to be a negative prognostic factor and associated with aggressive phenotypes in breast, head and neck, gastric, colorectal and bladder cancers. In small cell lung cancers, SOX2 was also correlated with a poor prognosis. Conversely, SOX2 is expressed in a high percentage of lung squamous cell carcinomas and was shown to be an independent positive prognostic marker.

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 residues within aa1-100 of Human SOX2 was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

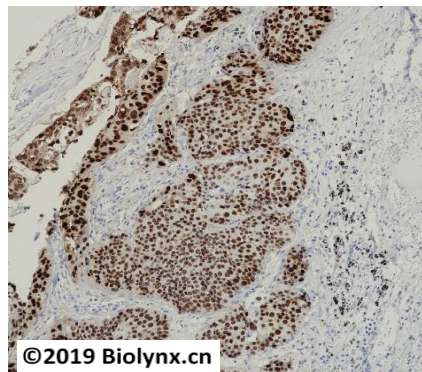
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:


IHC-P: 1:100-1:200

Background References:

1. Yang F, et al. Int J Clin Exp Pathol. 2013 Nov 15; 6 (12):2846-54.
2. Wilbertz T, et al. Mod Pathol. 2011 Jul; 24 (7):944-53.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Lung squamous cell carcinomas tissue labelling SOX2 with BP6123. 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.