

BCOR

Recombinant Rabbit Monoclonal Antibody

Product Datasheet

Catalog# BX50326

Clone# BP6303

Predicted Molecular Wt: 192kDa

Species Cross-reactivity: Human

Applications: IHC-P

Purity: ProA affinity purified IgG

Form: Liquid

Swissprot ID: Q6W2J9

Background:

BCL6 corepressor protein (BCOR) is a ubiquitously expressed transcriptional repressor that is recruited to target genes by BCL6 and other transcription factors. BCOR interacts with recruits histone deacetylase (HDAC) and DNA methyltransferase (DNMT) proteins to facilitate localized histone deacetylation and DNA methylation, resulting in repression of gene expression. Mutations and translocations involving BCOR have been observed in acute myeloid leukemia, bone sarcoma and medulloblastoma and mutations in BCOR are known to cause X-linked Oculofaciocardiodental and Lenz microphthalmia syndromes.

The BCOR gene is localised at Xp11.4 and plays an important role in normal early embryonic development. Expressed in a variety of tumours such as rhabdomyosarcoma, ossifying fibromucinous tumour subtype (lacking S100 expression), CNS PNET, retinoblastoma, medulloblastoma, haematological malignancies, renal clear-cell sarcoma with BCOR gene abnormality or UWHAE-NUTM2 fusion and high-grade endometrial mesenchymal sarcoma.

The diagnosis of high-grade endometrial mesenchymal sarcoma with ZC3H7B-BCOR gene fusion is often made in combination with CD10 and CyclinD1.

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:

Recombinant protein. This information is proprietary to BioLynx.

Storage Buffer:

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

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

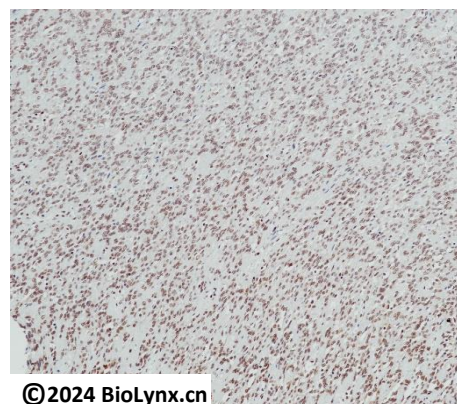
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

- Choi, W.I. et al. (2013) Nucleic Acids Res 41, 6403-20.
- Pugh, T.J. et al. (2012) Nature 488, 106-10.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of endometrial mesenchymal sarcoma labelling BCOR with BP6303.

Product QC'd by:



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