

**Mouse Anti-Bcl-6 Repressor/BCOR [MD322]: MC0630, MC0630RTU7**

**Intended Use:** For Research Use Only

**Description:** Bcl-6, a POZ/zinc finger transcriptional repressor, promotes or inhibits apoptosis depending on the cell type and plays an important role in normal immune responses. Aberrant expression of Bcl-6 due to chromosomal translocations is implicated in certain subtypes of non-Hodgkin's lymphoma. BCOR, a novel Bcl-6 corepressor located on chromosome X, in the Xp11.4 locus, functions as a corepressor when tethered to DNA and, when overexpressed, can potentiate Bcl-6 repression. Specific class I and II histone deacetylases (HDACs) interact in vivo with BCoR, suggesting that BCoR may functionally link these two classes of HDACs. BCOR may have a role in Bcl-6-associated lymphomas. Various BCOR aberrations represent driver elements of various sarcomas such as clear cell sarcoma of the kidney, primitive mesenchymal myxoid tumor of infancy, small round blue cell sarcoma, endometrial stromal sarcoma and histologically heterogeneous CNS neoplasms group with similar genomic methylation patterns known as CNS-HGNET-BCOR. Furthermore, other BCOR alterations (often loss of function mutations) recur in a large variety of mesenchymal, epithelial, neural and hematological tumors, suggesting a central role in cancer evolution.

**Specifications:**

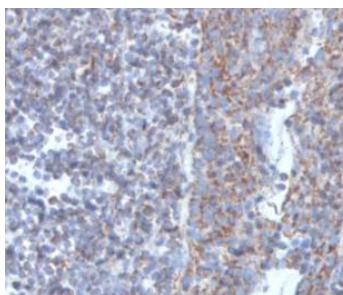
Clone: MD322  
 Source: Mouse  
 Isotype: IgG2k  
 Reactivity: Human  
 Immunogen: Recombinant fragment aa 100-400 of human BCOR protein  
 Localization: Nucleus  
 Formulation: Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
Bcl-6 Repressor/BCOR [MD322] Concentrated	MC0630	1 ml
Bcl-6 Repressor/BCOR [MD322] Prediluted	MC0630RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Angiosarcoma, cervix, prostate, testis, TCC  
 Concentrated Dilution: 50-200  
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-BCR using DAB

**References:**

1. BCOR is a Robust Diagnostic Immunohistochemical Marker of Genetically Diverse High-Grade Endometrial Stromal Sarcoma, Including Tumors Exhibiting Variant Morphology. Sarah Chiang, et al. Mod Pathol. Sep 30(9), 2017.
2. BCOR Overexpression Is a Highly Sensitive Marker in Round Cell Sarcomas With BCOR Genetic Abnormalities. Yu-Chien Kao, et al. Am J Surg Pathol. Dec;40(12), 2016.