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BCOR Antibody (Center S1122)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7359c

Specification

BCOR Antibody (Center S1122) - Product Information

Application	**WB, IHC-P, IHC, FC,E**
Primary Accession	Q6W2J9
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**192189**
Antigen Region	**1107-1137**

BCOR Antibody (Center S1122) - Additional Information

Gene ID 54880

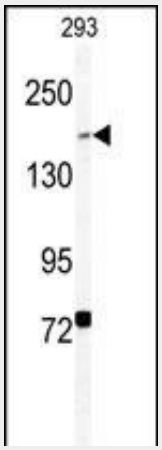
Other Names
BCL-6 corepressor, BCoR, BCOR, KIAA1575

Target/Specificity
This BCOR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1107-1137 amino acids from the Central region of human BCOR.

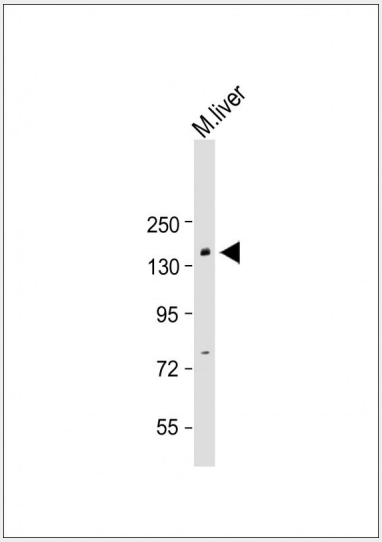
Dilution
WB~~1:500
IHC-P~~1:50~100
IHC~~1:50
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of BCOR Antibody (Center S1122) (Cat.# AP7359c) in 293 cell line lysates (35ug/lane). BCOR (arrow) was detected using the purified Pab.



Anti-BCOR Antibody (Center S1122) at 1:500 dilution + Mouse liver whole tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 192 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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Precautions
BCOR Antibody (Center S1122) is for research use only and not for use in diagnostic or therapeutic procedures.

BCOR Antibody (Center S1122) - Protein Information

Name BCOR

Synonyms KIAA1575

Function
Transcriptional corepressor. May specifically inhibit gene expression when recruited to promoter regions by sequence-specific DNA- binding proteins such as BCL6 and MLLT3. This repression may be mediated at least in part by histone deacetylase activities which can associate with this corepressor. Involved in the repression of TFAP2A; impairs binding of BCL6 and KDM2B to TFAP2A promoter regions. Via repression of TFAP2A acts as a negative regulator of osteo-dentiogenic capacity in adult stem cells; the function implies inhibition of methylation on histone H3 'Lys-4' (H3K4me3) and 'Lys-36' (H3K36me2).

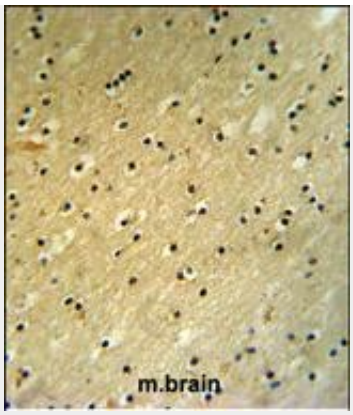
Cellular Location
Nucleus.

Tissue Location
Ubiquitously expressed.

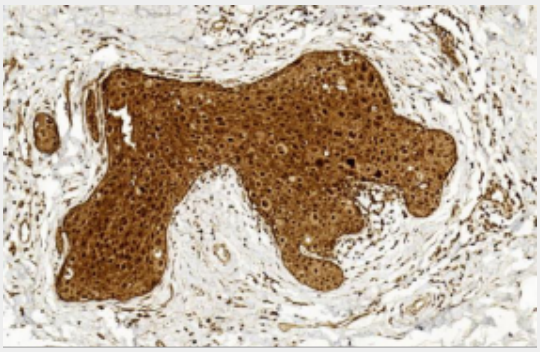
BCOR Antibody (Center S1122) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



BCOR Antibody (Center S1122) (Cat.# AP7359c) IHC analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the BCOR Antibody (Center S1122) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunohistochemical analysis of paraffin-embedded Human Breast cancer section using Pink1(Cat#AP7359c). AP7359c was diluted at 1:50 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

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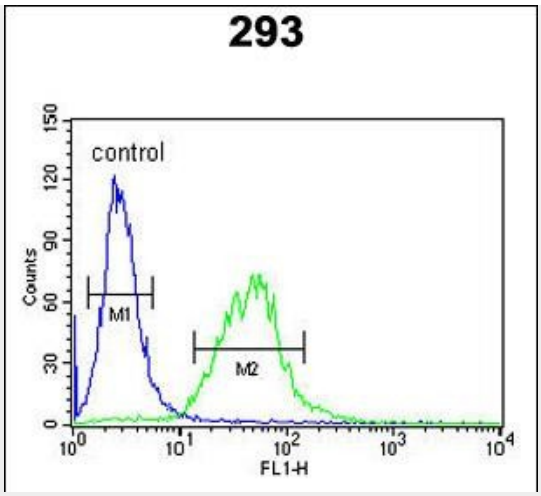

BCOR Antibody (Center S1122) (Cat. #AP7359c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

BCOR Antibody (Center S1122) - Background

BCOR was identified as an interacting corepressor of BCL6, a POZ/zinc finger transcription repressor that is required for germinal center formation and may influence apoptosis. This protein selectively interacts with the POZ domain of BCL6, but not with eight other POZ proteins. Specific class I and II histone deacetylases (HDACs) have been shown to interact with this protein, which suggests a possible link between the two classes of HDACs.

BCOR Antibody (Center S1122) - References

Ghetu,A.F., Mol. Cell 29 (3), 384-391 (2008)
Hilton,E.N., Hum. Mol. Genet. 16 (14), 1773-1782 (2007)