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BCOR Antibody (Center S1122)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7359c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q6W2J9
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19040
Calculated MW	192189
Antigen Region	1107-1137

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~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.
Precautions	BCOR Antibody (Center S1122) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

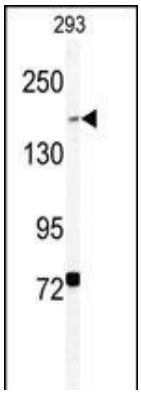
Background

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.

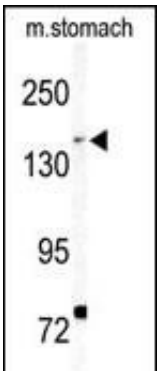
References

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

Images

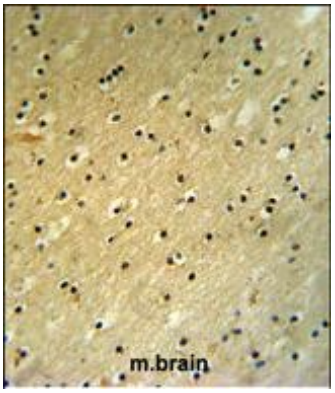


Western blot analysis of BCOR Antibody (Center S1122) (Cat.# AP7359c) in 293 cell line lysates (35ug/lane). BCOR (arrow) was detected using the purified Pab.

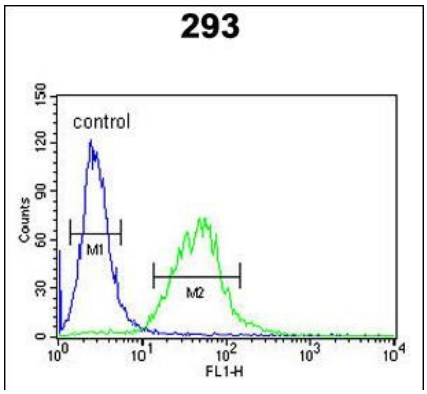


Western blot analysis of BCOR Antibody (Center S1122) (Cat.# AP7359c) in mouse stomach tissue lysates (35ug/lane). BCOR (arrow) was detected using the purified Pab.

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.



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.