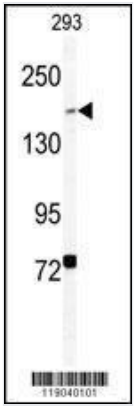
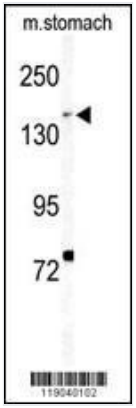
BCOR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

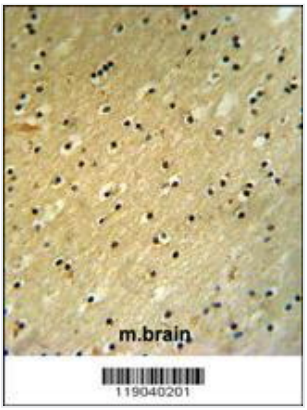
Product Name	BCOR, Polyclonal Antibody
Full Product Name	BCOR, ID (S1122) (BCL-6 Corepressor, BCoR, KIAA1575) (PE)
Product Gene Name	anti-BCOR antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human BCOR. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	192.189
OMIM	300166
3D Structure	ModBase 3D Structure for Q6W2J9
Immunogen	Synthetic peptide selected from the center region of human BCOR (KLH).
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-BCOR antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-BCOR antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-BCOR antibody	WB: 1:50-1:100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-BCOR antibody	MBS6465129 is an antibody targeting BCOR. Also known as BCOR, ID (S1122) (BCL-6 Corepressor, BCoR, KIAA1575) (PE). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-BCOR antibody	1. Ghetu, A.F., Mol. Cell 29(3), 384-391 (2008). 2. Hilton, E.N., Hum. Mol. Genet. 16(14), 1773-1782 (2007).
Other Notes	Small volumes of anti-BCOR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



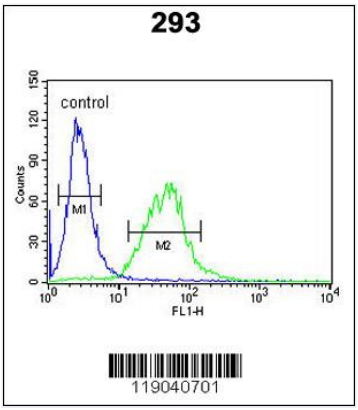
Western Blot (WB) of anti-BCOR antibody
Western blot analysis of BCOR Antibody (Center S1122) in 293 cell line lysates (35ug/lane). BCOR (arrow) was detected using the purified Pab.



Western Blot (WB) of anti-BCOR antibody
Western blot analysis of BCOR Antibody (Center S1122) in mouse stomach tissue lysates (35ug/lane). BCOR (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-BCOR antibody
BCOR Antibody (Center S1122) 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.



Flow Cytometry (FC/FACS) of anti-BCOR antibody
BCOR Antibody (Center S1122) 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BCOR. It may not necessarily be applicable to this product.

NCBI GI #	183396787
NCBI GeneID	54880
NCBI Accession #	NP_001116857
UniProt Primary Accession #	Q6W2J9
UniProt Related Accession #	Q6W2J9
GenBank Nucleotide #	NP_001116857.1
NCBI Official Full Name	BCL-6 corepressor isoform c
NCBI Official Synonym Full Names	BCL6 corepressor
NCBI Official Symbol	BCOR
NCBI Official Synonym Symbols	MAA2; ANOP2; MCOPS2
UniProt Protein Name	BCL-6 corepressor
Protein Family	BCL-6 corepressor
UniProt Gene Name	BCOR

UniProt Synonym Gene Names	KIAA1575; BCoR
UniProt Entry Name	BCOR_HUMAN
NCBI Protein Information	BCL-6 corepressor
NCBI Summary for BCOR	The protein encoded by this gene 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. Several transcript variants encoding different isoforms have been found for this gene. A pseudogene of this gene is found on chromosome Y.[provided by RefSeq, Jun 2010]
UniProt Comments for BCOR	BCOR: 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). Defects in BCOR are the cause of microphthalmia syndromic type 2 (MCOPS2). Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS2 is a very rare multiple congenital anomaly syndrome characterized by eye anomalies (congenital cataract, microphthalmia, or secondary glaucoma), facial abnormalities (long narrow face, high nasal bridge, pointed nose with cartilages separated at the tip, cleft palate, or submucous cleft palate), cardiac anomalies (atrial septal defect, ventricular septal defect, or floppy mitral valve) and dental abnormalities (canine radiculomegaly, delayed dentition, oligodontia, persistent primary teeth, or variable root length). Belongs to the BCOR family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: Xp11.4 Cellular Component: PcG protein complex; nucleus Molecular Function: protein binding; heat shock protein binding; histone deacetylase binding; ubiquitin-protein ligase activity; transcription corepressor activity; transcription factor binding Biological Process: odontogenesis; negative regulation of bone mineralization; negative regulation of histone H3-K36 methylation; transcription, DNA-dependent; heart development; specification of axis polarity; negative regulation of histone H3-K4 methylation; palate development; negative regulation of transcription from RNA polymerase II promoter; negative regulation of transcription, DNA-dependent Disease: Microphthalmia, Syndromic 2; Microphthalmia, Syndromic 1
Research Articles on BCOR	**1.** The focus of this review is to provide an update on the main subcategories of Ewing-like sarcomas discovered to date: CIC-rearranged sarcomas, BCOR-rearranged sarcomas, sarcomas with a rearrangement between EWSR1 and a non-ETS family gene, and the substantial fraction of tumors which remain uncharacterized by molecular methods.
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