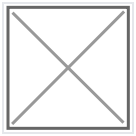
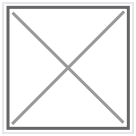
BAALC Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	BAALC, Monoclonal Antibody
Full Product Name	BAALC (Brain and Acute Leukemia Cytoplasmic Protein, FLJ12015) APC
Product Gene Name	anti-BAALC antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2A2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human BAALC.
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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	5,663 Da
Immunogen	Partial recombinant corresponding to aa61-146 from human BAALC (NP_079088) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PSNGVPRSTAPGGIPNPEKKTNCETQCPNPQSLSSGPLTQKQNGLQTTEAKRDAKRMPAKEVTINVTDSIQQMDRSRRITKNCVN
Conjugate	APC
Product Categories/Family for anti-BAALC antibody	Antibodies; Cancer Markers; Leukemia
Applications Tested/Suitable for anti-BAALC antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-BAALC antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-BAALC antibody	May play a synaptic role at the postsynaptic lipid rafts by interacting with CAMK2A.
Other Notes	Small volumes of anti-BAALC 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.
Searchable Terms for BAALC purchase	MBS6135470 is an antibody targeting BAALC. Also known as BAALC (Brain and Acute Leukemia Cytoplasmic Protein, FLJ12015) APC. Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-BAALC antibody
Western Blot detection against Immunogen (35.46kD).



Testing Data of anti-BAALC antibody
Detection limit for recombinant GST tagged BAALC is 0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

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

NCBI GI #	13376200
NCBI GeneID	79870
NCBI Accession #	NP_079088.1
UniProt Secondary Accession #	Q8WTP6; Q8WXS0; Q8WXS1; Q8WXS2; Q9HA93
UniProt Related Accession #	Q8WXS3
GenBank Nucleotide #	NM_024812
NCBI Official Full Name	brain and acute leukemia cytoplasmic protein isoform 1
NCBI Official Synonym Full Names	brain and acute leukemia, cytoplasmic
NCBI Official Symbol	BAALC
Protein Family	Brain and acute leukemia cytoplasmic protein
NCBI Protein Information	brain and acute leukemia cytoplasmic protein
NCBI Summary for BAALC	This gene was identified by gene expression studies in patients with acute myeloid leukemia (AML). The gene is conserved among mammals and is not found in lower organisms. Tissues that express this gene develop from the neuroectoderm. Multiple alternatively spliced transcript variants that encode different proteins have been described for this gene; however, some of the transcript variants are found only in AML cell lines. [provided by RefSeq, Jul 2008]
Research Articles on BAALC	**1.** demonstrated that BAALC blocks ERK-mediated monocytic differentiation of acute myeloid leukemia cells by trapping Kruppel-like factor 4 (KLF4) in the cytoplasm and inhibiting its function in the nucleus
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