

Rabbit BHLHB3 Polyclonal Antibody | anti-BHLHB3 antibody

BHLHB3 Antibody

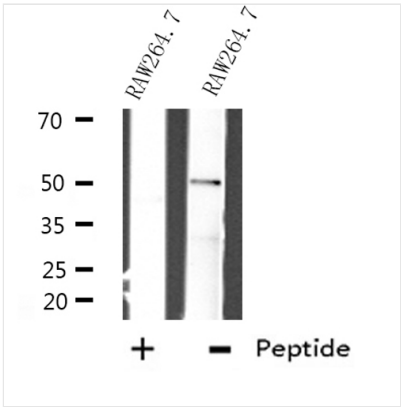
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324119	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

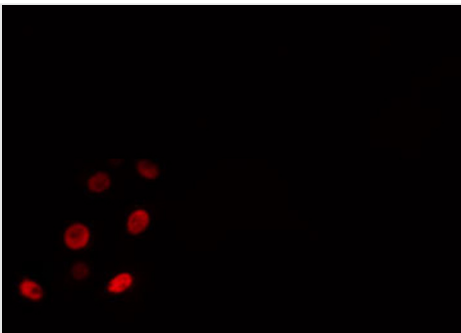
BHLHB3; Polyclonal Antibody; BHLHB3 Antibody; Basic helix-loop-helix domain containing class B3; BHE41_HUMAN; bHLH protein DEC2; bHLHB3; bHLHe41; Class B basic helix loop helix protein 3; Class B basic helix-loop-helix protein 3; Class E basic helix-loop-helix protein 41; DEC2; Differentially expressed in chondrocytes protein 2; Enhancer of split and hairy related protein 1; Enhancer-of-split and hairy-related protein 1; hDEC2; Moderately similar to basic-helix loop helix protein M.musculus; SHARP-1; anti-BHLHB3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BHLHB3 antibody detects endogenous levels of total BHLHB3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	482
Applicable Applications for anti-BHLHB3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Highly expressed in skeletal muscle and brain, moderately expressed in pancreas and heart, weakly expressed in placenta, lung, liver and kidney.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from RAW264.7 cells, using BHLHB3 antibody.



IF (Immunofluorescence)
AAA324119 staining RAW264.7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BHLHB3 antibody	Function: Transcriptional repressor involved in the regulation of the circadian rhythm by negatively regulating the activity of the clock genes and clock-controlled genes. Acts as the negative limb of a novel autoregulatory feedback loop (DEC loop) which differs from the one formed by the PER and CRY transcriptional repressors (PER/CRY loop). Both these loops are interlocked as it represses the expression of PER1 and in turn is repressed by PER1/2 and CRY1/2. Represses the activity of the circadian transcriptional activator: CLOCK-ARNTL/BMAL1 heterodimer by competing for the binding to E-box elements (5'-CACGTG-3') found within the promoters of its target genes. Negatively regulates its own expression and the expression of DBP and BHLHE41/DEC2. Acts as a corepressor of RXR and the RXR-LXR heterodimers and represses the ligand-induced RXRA/B/G, NR1H3/LXRA, NR1H4 and VDR transactivation activity. Subunit Structure: Homodimer. Heterodimer with BHLHE40/DEC1. Interacts with CIART and ARNTL/BMAL1 (By similarity). Interacts with RXRA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13540521
NCBI GeneID	79365
NCBI Accession #	NP_110389.1
NCBI GenBank Nucleotide #	NM_030762.2
UniProt Accession #	Q9C0J9; A2I2N8
Molecular Weight	Observed: 50 kD Predicted: 51 kDa
NCBI Official Full Name	class E basic helix-loop-helix protein 41
NCBI Official Synonym Full Names	basic helix-loop-helix family member e41
NCBI Official Symbol	BHLHE41
NCBI Official Synonym Symbols	DEC2; hDEC2; BHLHB3; SHARP1
NCBI Protein Information	class E basic helix-loop-helix protein 41
UniProt Protein Name	Class E basic helix-loop-helix protein 41
UniProt Gene Name	BHLHE41
UniProt Synonym Gene Names	BHLHB3; DEC2; SHARP1; bHLHe41; bHLHb3; hDEC2; SHARP-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bhlhb3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324119>