

Rabbit anti-Human BHLHE40 Polyclonal Antibody | anti-BHLHE40 antibody

BHLHE40 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232406	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

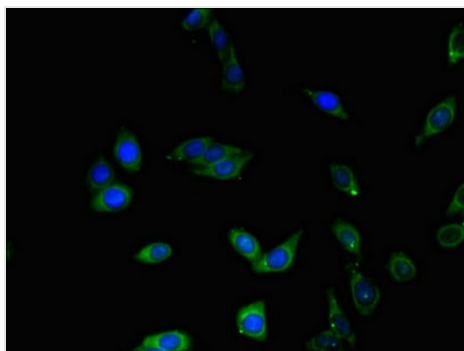
PRODUCT SYNONYMS

BHLHE40; Polyclonal Antibody; BHLHE40 Antibody; Class E basic helix-loop-helix protein 40bHLHe40; Class B basic helix-loop-helix protein 2; bHLHb2; Differentially expressed in chondrocytes protein 1; DEC1; Enhancer-of; BHLHB2; SHARP2; STRA13; anti-BHLHE40 antibody

PRODUCT SPECIFICATIONS

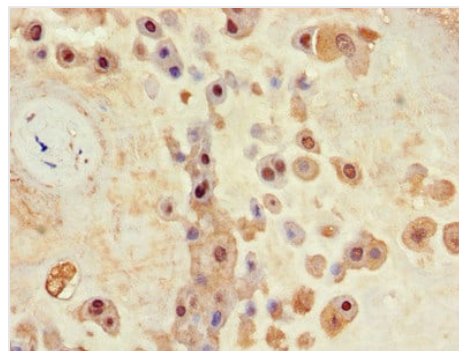
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	412
Applicable Applications for anti-BHLHE40 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Class E basic helix-loop-helix protein 40 protein (184-302AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



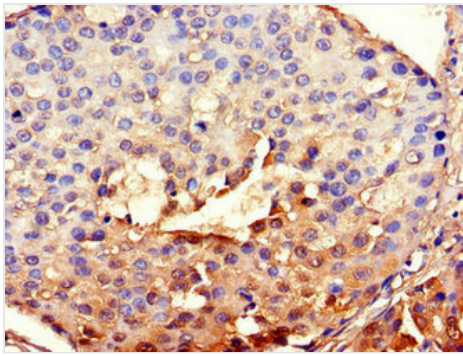
IHC (Immunohistochemisry)

Immunofluorescent analysis of HepG2 cells using AAA232406 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human placenta tissue using AAA232406 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human breast cancer using AAA232406 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-BHLHE40 antibody	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 PER1/2 and in turn is repressed by PER1/2 and CRY1/2. Represses the activity of the circadian transcriptional activator: CLOCK-ARNTL/BMAL1 ARNTL2/BMAL2 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 and NR1H3/LXRA transactivation activity. May be involved in the regulation of chondrocyte differentiation via the cAMP pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503299
NCBI GeneID	8553
NCBI Accession #	NP_003661.1
NCBI GenBank Nucleotide #	NM_003670.2
UniProt Accession #	O14503; Q96TD3
Molecular Weight	45,510 Da
NCBI Official Full Name	class E basic helix-loop-helix protein 40
NCBI Official Synonym Full Names	basic helix-loop-helix family member e40
NCBI Official Symbol	BHLHE40
NCBI Official Synonym Symbols	DEC1; HLHB2; BHLHB2; Clast5; SHARP2; STRA13; Stra14; SHARP-2
NCBI Protein Information	class E basic helix-loop-helix protein 40
UniProt Protein Name	Class E basic helix-loop-helix protein 40
UniProt Gene Name	BHLHE40
UniProt Synonym Gene Names	BHLHB2; DEC1; SHARP2; STRA13; bHLHe40; bHLHb2; DEC1; SHARP-2
UniProt Entry Name	BHE40_HUMAN

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.