

Rabbit BHLHE40 Polyclonal Antibody | anti-BHLHE40 antibody

BHLHE40 Polyclonal Antibody

CATALOG # AAA279717	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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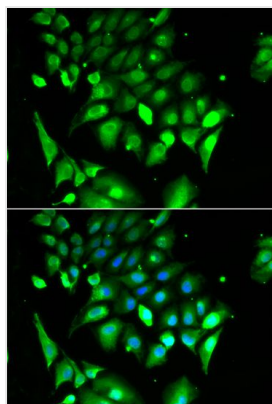
PRODUCT SYNONYMS

BHLHE40; Polyclonal Antibody; BHLHE40 Polyclonal Antibody; BHLHB2: DEC1; HLHB2; BHLHB2; STRA13; Stra14; SHARP-2; anti-BHLHE40 antibody

PRODUCT SPECIFICATIONS

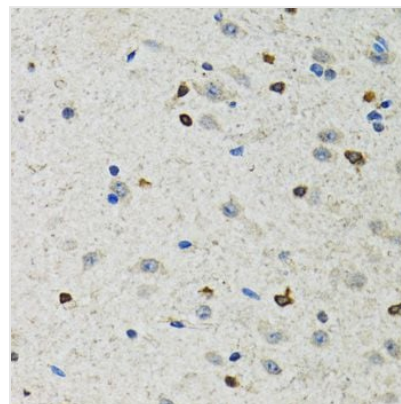
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	412
Applicable Applications for anti-BHLHE40 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human BHLHE40
Calculated Molecular Weight	45kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



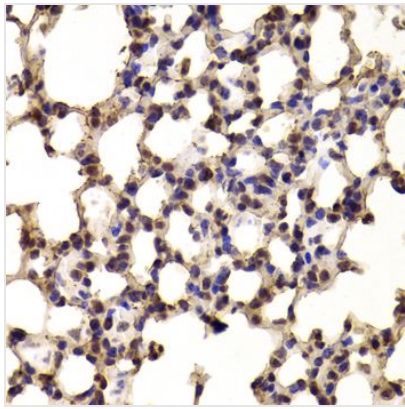
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using BHLHE40 antibody. Blue: DAPI for nuclear staining.



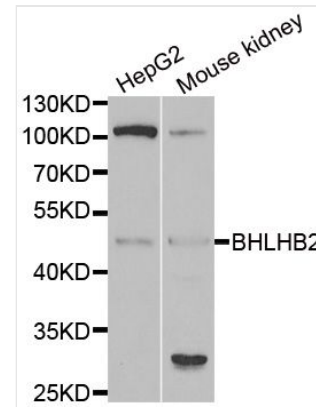
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using BHLHE40 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse lung using BHLHE40 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using BHLHE40 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-BHLHE40 antibody	This gene encodes a basic helix-loop-helix protein expressed in various tissues. The encoded protein can interact with ARNTL or compete for E-box binding sites in the promoter of PER1 and repress CLOCK/ARNTL's transactivation of PER1. This gene is believed to be involved in the control of circadian rhythm and cell differentiation.
Product Categories/Family for anti-BHLHE40 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	20137254
NCBI GeneID	8553
UniProt Accession #	O14503; Q96TD3
Molecular Weight	412
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; STRA13; Stra14; SHARP-2
NCBI Protein Information	class E basic helix-loop-helix protein 40; class B basic helix-loop-helix protein 2; differentially expressed in chondrocytes 1; stimulated by retinoic acid gene 13 protein; enhancer-of-split and hairy-related protein 2; differentially expressed in chondrocytes protein 1; differentiated embryo chondrocyte expressed gene 1; basic helix-loop-helix domain containing, class B, 2
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.