

Rabbit anti-Human DEC1 Polyclonal Antibody | anti-DEC1 antibody

Rabbit anti-DEC1 Antibody, Affinity Purified

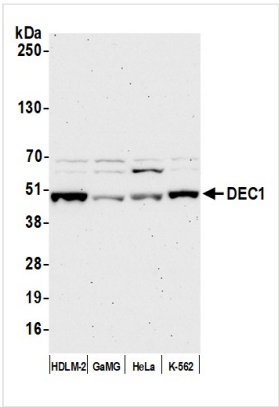
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211072	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

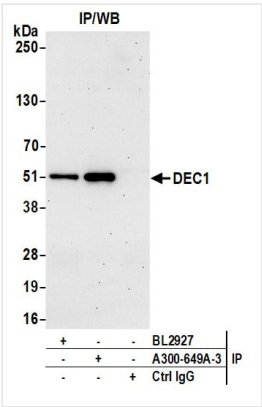
DEC1; Polyclonal Antibody; Rabbit anti-DEC1 Antibody; Affinity Purified; class E basic helix-loop-helix protein 40; differentiated embryo chondrocyte expressed gene 1; Stra14; STRA13; stimulated by retinoic acid gene 13 protein; SHARP-2; SHARP2; HLHB2; enhancer-of-split and hairy-related protein 2; differentially expressed in chondrocytes protein 1; differentially expressed in chondrocytes 1; Clast5; class B basic helix-loop-helix protein 2; bHLHe40; BHLHB2; basic helix-loop-helix domain containing; class B; 2; Class E basic helix-loop-helix protein 40; basic helix-loop-helix family member e40; anti-DEC1 antibody

PRODUCT SPECIFICATIONS

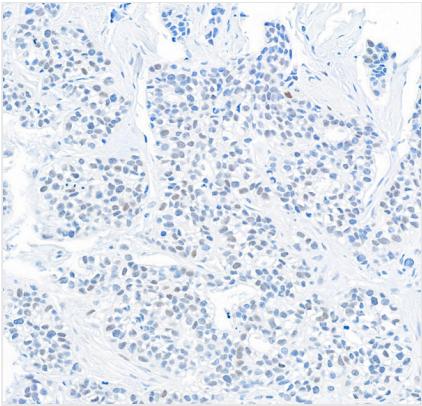
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-DEC1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 362 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)
Detection of human DEC1 by western blot. Samples: Whole cell lysate (50 ug) from HDLM-2, GaMG, HeLa, and K-562 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-DEC1 antibody (AAA211072 lot 3) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



IP (Immunoprecipitation)
Detection of human DEC1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from K-562 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-DEC1 antibody (AAA211072 lot 3) used for IP at 6 ug per reaction. DEC1 was also immunoprecipitated by a second antibody against a different epitope of DEC1 (BL2927). For blotting immunoprecipitated DEC1, AAA211072 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



IHC (Immunohistochemistry)
Detection of human DEC1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-DEC1 (Cat. No. AAA211072 Lot3) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-DEC1 antibody	DEC1 is a basic helix-loop-helix transcription factor that appears to play a role in cell differentiation, proliferation, apoptosis, and the circadian rhythm. DEC1 is able to promote chondrogenic and osteogenic differentiation in mesenchymal stem cells by activating transcription of bone-related genes. When it is overexpressed in cells it can suppress apoptosis by blocking caspase activation and inducing transcription of survivin. DEC1 has also been found to play a role mammalian in circadian rhythm as a suppressor of the CLOCK/BMAL1 promoter.
Product Categories/Family for anti-DEC1 antibody	Primary Antibodies

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; 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 chondr
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dec1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211072>