

Rabbit HEY1 Polyclonal Antibody | anti-HEY1 antibody

HEY1 Antibody

CATALOG # AAA322903	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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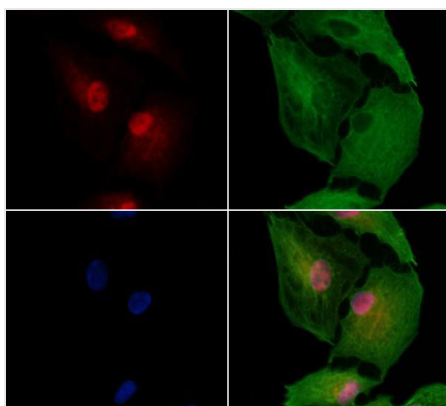
PRODUCT SYNONYMS

HEY1; Polyclonal Antibody; HEY1 Antibody; anti-HEY1 antibody

PRODUCT SPECIFICATIONS

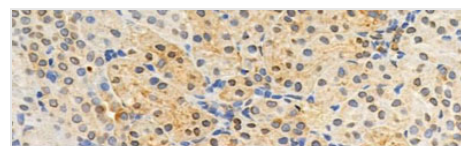
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	HEY1 Antibody detects endogenous levels of total HEY1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HEY1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HEY1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C.

IMAGES



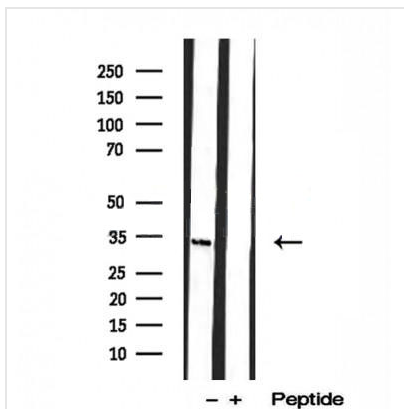
IF (Immunofluorescence)

AAA322903 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA322903) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.



IHC (Immunohistochemistry)

AAA322903 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from DU 145 cells, using HEY1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HEY1 antibody

Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGTG-3'. Downstream effector of Notch signaling required for cardiovascular development. Specifically required for the Notch-induced endocardial epithelial to mesenchymal transition, which is itself critical for cardiac valve and septum development. May be required in conjunction with HEY2 to specify arterial cell fate or identity. Promotes maintenance of neuronal precursor cells and glial versus neuronal fate specification. Represses transcription by the cardiac transcriptional activators GATA4 and GATA6 and by the neuronal bHLH factors ASCL1/MASH1 and NEUROD4/MATH3. Involved in the regulation of liver cancer cells self-renewal.

NCBI AND UNIPROT INFORMATION

NCBI GI #	105990526
NCBI GeneID	23462
NCBI Accession #	NP_001035798.1
NCBI GenBank Nucleotide #	NM_001040708.1
UniProt Accession #	Q9Y5J3; Q5TZS3; Q8NAM2; Q9NYP4; B2R883
Molecular Weight	32-34 kDa
NCBI Official Full Name	hairy/enhancer-of-split related with YRPW motif protein 1 isoform b
NCBI Official Synonym Full Names	hes related family bHLH transcription factor with YRPW motif 1
NCBI Official Symbol	HEY1
NCBI Official Synonym Symbols	CHF2; OAF1; HERP2; HESR1; HRT-1; hHRT1; BHLHb31
NCBI Protein Information	hairy/enhancer-of-split related with YRPW motif protein 1
UniProt Protein Name	Hairy/enhancer-of-split related with YRPW motif protein 1
UniProt Gene Name	HEY1
UniProt Synonym Gene Names	BHLHB31; CHF2; HERP2; HESR1; HRT1; CHF-2; bHLHb31; HESR-1; HRT-1; hHRT1

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/hey1-antibody-immunohistochemistry-western-blot-elisa/322903>