

Rabbit HEY1 Polyclonal Antibody | anti-HEY1 antibody

HEY1 antibody - C-terminal region

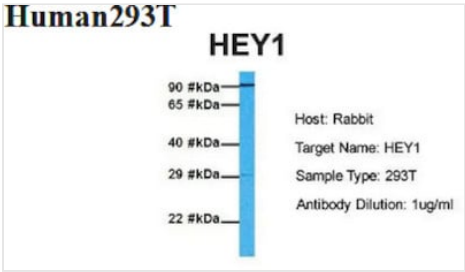
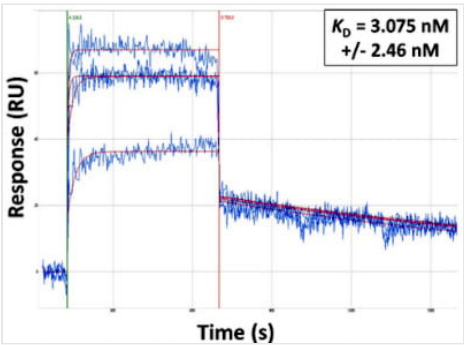
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23413	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HEY1; Polyclonal Antibody; HEY1 antibody - C-terminal region; anti-HEY1 antibody

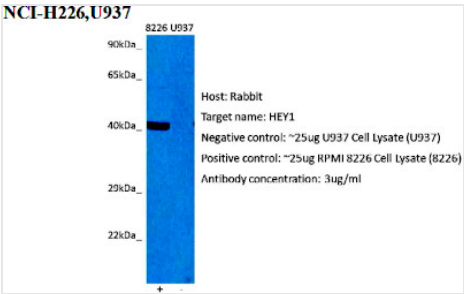
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	304
Applicable Applications for anti-HEY1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 79%; Dog: 86%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 79%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human HEY1
Protein Size (# AA)	304 amino acids
Protein Interactions	SYVN1; DERL2; HEY2; SEL1L; PRKD2; LAPTM5; SKIL; SMAD9; SMAD3; ARNT; NOTCH1; ELAVL1; FBXW7; HEY1; GATA1; MYOD1;
Blocking Peptide	For anti-HEY1 (AAA23413) antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

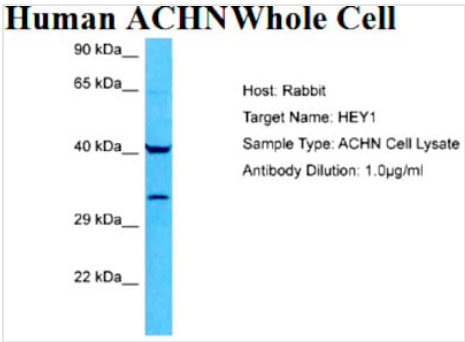


WB (Western Blot)
Host: RabbitTarget Name: HEY1Sample Tissue: Human 293TAntibody Dilution: 1.0ug/ml

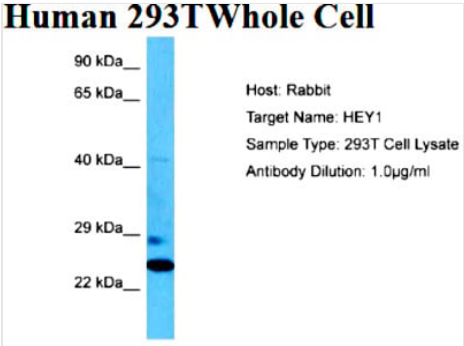
Application Data
Surface Plasmon Resonance Kinetic Characterization of Polyclonal Antibody Affinity. Purified polyclonal antibodies were immobilized on a Protein A/G coated Carterra LSA sensor chip (PAGH200M) at concentrations of 5, and 50 ug/mL in duplicate. Antibodies on the surface were exposed to interaction with peptides sequentially via microfluidic controlled flow at 333nM peptide concentration for kinetic characterization of the binders for affinity and specificity, followed by curve fitting using the Kinetics software. Kd determinations for both concentrations were averaged and results and standard deviation are shown.



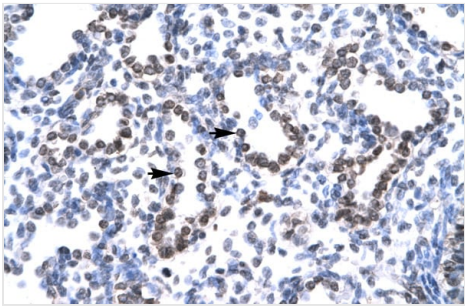
WB (Western Blot)
Host: RabbitTarget: HEY1Positive control (+): NCI-H226 (N13)Negative control (-): U937 (N31)Antibody concentration: 1ug/ml



WB (Western Blot)
Host: RabbitTarget Name: HEY1Sample Tissue: Human ACHN Whole CellAntibody Dilution: 3ug/ml



WB (Western Blot)
Host: RabbitTarget Name: HEY1Sample Tissue: Human 293T Whole CellAntibody Dilution: 1ug/ml



IHC (Immunohistochemistry)
Rabbit Anti-HEY1 AntibodyParaffin Embedded Tissue: Human LungCellular Data: Alveolar cellsAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-HEY1 antibody	Target Description: Hairy/enhancer of split-related proteins, such as HEY1, are basic helix-loop-helix (bHLH) transcription factors implicated in cell fate decision and boundary formation. HEY genes are direct transcriptional targets of the Notch signaling pathways in Drosophila and vertebrates.
Product Categories/Family for anti-HEY1 antibody	Polyclonal; Transcription Factor; Neurobiology; Transcription Regulation; Transcription Regulation; Immunohistochemistry; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	105990528
NCBI GeneID	23462
NCBI Accession #	NP_036390
NCBI GenBank Nucleotide #	NM_012258
UniProt Accession #	Q9Y5J3
Molecular Weight	33kDa
NCBI Official Full Name	hairy/enhancer-of-split related with YRPW motif protein 1 isoform a
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; NERP2; 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
UniProt Entry Name	HEY1_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/hey1-antibody-immunohistochemistry-western-blot-elisa/23413>