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Datasheet for ABIN7267558
anti-HEY1 antibody (AA 50-150)

2 Images

Overview

Quantity:	100 µL
Target:	HEY1
Binding Specificity:	AA 50-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HEY1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	HEY1 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human HEY1 (NP_001269780.1).
Sequence:	IIEGLDASDP LRVRLVSHLN NYASQREAAS GAHAGLGHIP WGTVFGHHPH IAHPLLL PQN GHNAGTTAS PTEPHHQGRL GSAHPEAPAL RAPPSSGLGP V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

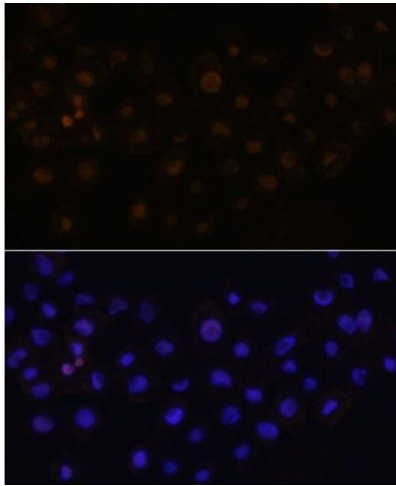
Target:	HEY1
Alternative Name:	HEY1 (HEY1 Products)
Background:	<p>This gene encodes a nuclear protein belonging to the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcriptional repressors. Expression of this gene is induced by the Notch and c-Jun signal transduction pathways. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternative splicing results in multiple transcript variants.,HEY1,BHLHb31,CHF2,HERP2,HESR1,HRT-1,OAF1,hHRT1,Epigenetics & Nuclear Signaling,Transcription Factors,Nuclear Receptor Signaling,Cardiovascular,Heart,Cardiogenesis,HEY1</p>
Molecular Weight:	32kDa/33kDa
Gene ID:	23462
UniProt:	Q9Y5J3
Pathways:	Tube Formation

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

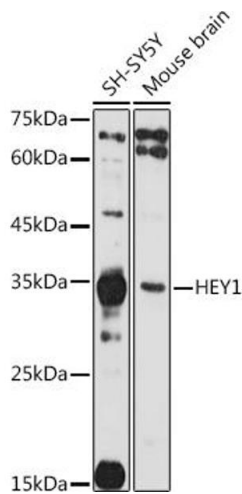
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of cells using HEY1 antibody (ABIN7267558) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using HEY1 antibody (ABIN7267558) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.