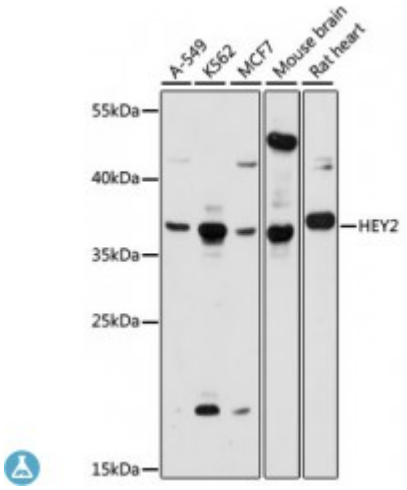
Anti-HEY2 Antibody



Description	This gene encodes a member of the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcription factors. The encoded protein forms homo- or hetero-dimers that localize to the nucleus and interact with a histone deacetylase complex to repress transcription. Expression of this gene is induced by the Notch signal transduction pathway. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternatively spliced transcript variants have been found, but their biological validity has not been determined.

Model	STJ117337
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HEY2 (NP_036391.1).
Gene ID	23493
Gene Symbol	HEY2
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Hairy/enhancer-of-split related with YRPW motif protein 2 Cardiovascular helix-loop-helix factor 1 hCHF1 Class B basic helix-loop-helix protein 32

	bHLHb32 HES-related repressor protein 2 Hairy and enhancer of split-rela
Molecular Weight	35.808 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:4881OMIM:604674Reactome:R-HSA-2122947
Alternative Names	Hairy/enhancer-of-split related with YRPW motif protein 2 Cardiovascular helix-loop-helix factor 1 hCHF1 Class B basic helix-loop-helix protein 32 bHLHb32 HES-related repressor protein 2 Hairy and enhancer of split-rela
Function	Downstream effector of Notch signaling which may be required for cardiovascular development, Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGTG-3', Represses transcription by the cardiac transcriptional activators GATA4 and GATA6,
Cellular Localization	Nucleus