

## HRT2 Rabbit pAb

CatalogNo: YT2230

Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 36kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

### Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human HEY2. AA range: 21-70

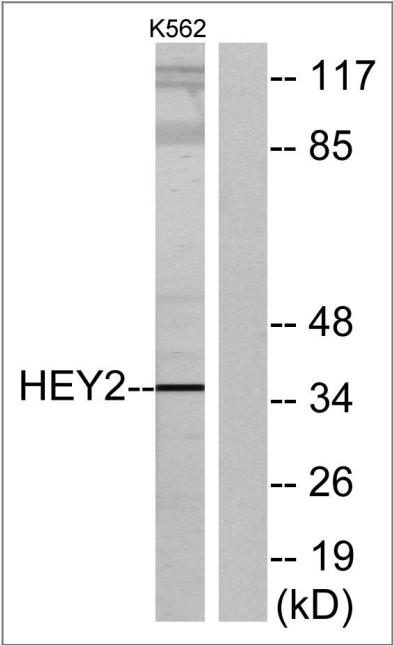
#### Specificity

HRT2 Polyclonal Antibody detects endogenous levels of HRT2 protein.

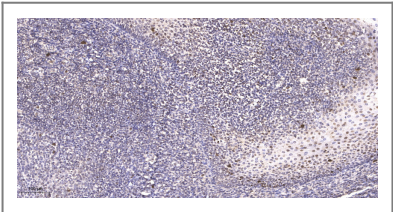
### Target Information

Gene name	HEY2		
Protein Name	Hairy/enhancer-of-split related with YRPW motif protein 2		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">23493</a> ;	<a href="#">Q9UBP5</a> ;
	Mouse	<a href="#">15214</a> ;	<a href="#">Q9QUS4</a> ;
Cellular Localization	Nucleus .		
Tissue specificity	Heart,Lung,Testis,		
Function	Disease:Defects in HEY2 may be involved in atrioventricular septal defects (AVSD).,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.,similarity:Belongs to the HEY family.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,similarity:Contains 1 Orange domain.,subunit:May self-associate (By similarity). Interacts with GATA4, HES1 and HEYL (By similarity). Interacts with HDAC1, NCOR1 and SIN3A (By similarity). Interacts with ARNT and GATA6.,		

Validation Data



Western blot analysis of lysates from K562 cells, using HEY2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

## | Contact information

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