

For Research Use Only

HEY2 Recombinant antibody

Catalog Number:83501-7-RR



Basic Information

Catalog Number: 83501-7-RR	GenBank Accession Number: BC007707	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 23493	CloneNo.: 240474F2
Source: Rabbit	UNIPROT ID: Q9UBP5	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	Full Name: hairy/enhancer-of-split related with YRPW motif 2	
Immunogen Catalog Number: AG30988	Calculated MW: 36 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

Background Information

Hairy/enhancer of split-related proteins, such as HEY2, 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. HEY2 is similarly expressed in the somites whereas it shows a complementary expression in the heart, the craniofacial region and the nervous system. This antibody is a rabbit polyclonal antibody raised against full length of human HEY2.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

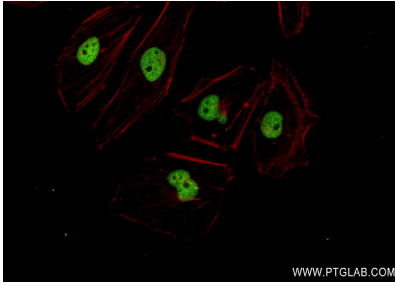
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

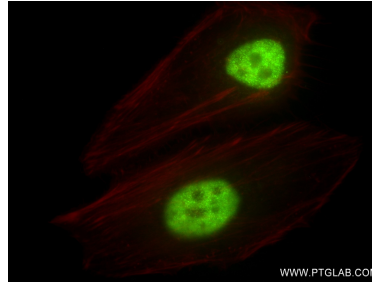
E: proteintech@ptglab.com
W: ptglab.com

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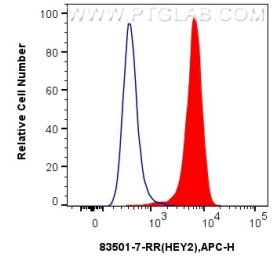
Selected Validation Data



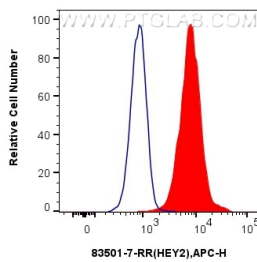
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HEY2 antibody (83501-7-RR, Clone: 240474F2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



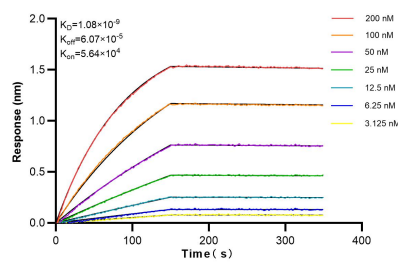
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1×10^6 HEK-293 cells were intracellularly stained with 0.25 μ g HEY2 Recombinant antibody (83501-7-RR, Clone:240474F2) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Control Antibody (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g HEY2 Recombinant antibody (83501-7-RR, Clone:240474F2) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biacore sensorgram (BLI) kinetic assays of 83501-7-RR against Human HEY2 were performed. The affinity constant is 1.08 nM.