

For Research Use Only

# HIC2 Recombinant antibody

Catalog Number: 83162-7-RR



## Basic Information

Catalog Number:

83162-7-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18789

GenBank Accession Number:

BC094787

GeneID (NCBI):

23119

UNIPROT ID:

Q96JB3

Full Name:

hypermethylated in cancer 2

Calculated MW:

615 aa, 66 kDa

Purification Method:

Protein A purification

CloneNo.:

230177E8

Recommended Dilutions:

IF/ICC 1:200-1:800

## Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells, U2OS cells

## Background Information

HIC2 (hypermethylated in cancer 2) is a transcription factor related to the tumor suppressor HIC1, required for normal cardiac development and lost in distal variants of 22q11 Deletion Syndrome (PMID: 29061339). HIC2 is also a POK family protein, and the amino acid sequence of its BTB/POZ and zinc-finger domains are similar to those of HIC1 (PMID: 31127867). Studies have shown that HIC2 plays a role in suppressing fetal genes for normal development of the heart and circulatory system, in embryogenesis (PMID: 24748541).

## 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

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

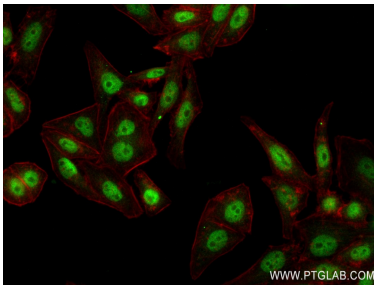
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

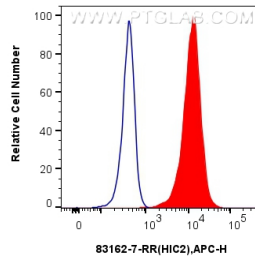
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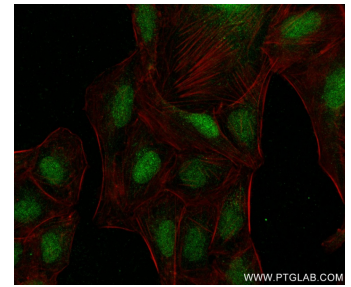
## Selected Validation Data



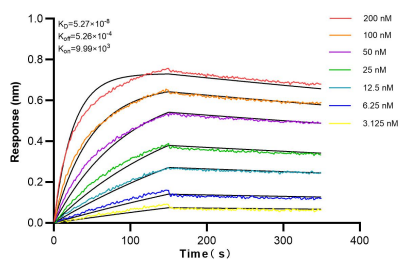
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HIC2 antibody (83162-7-RR, Clone: 230177E8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug Hic2 Recombinant Antibody (83162-7-RR, Clone:230177E8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using HIC2 antibody (83162-7-RR, Clone: 230177E8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 83162-7-RR against Human HIC2 were performed. The affinity constant is 0.527 nM.