

For Research Use Only

HIC2 Recombinant antibody

Catalog Number: 83162-7-RR



Basic Information

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| Catalog Number: 83162-7-RR | GenBank Accession Number: BC094787 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 23119 | CloneNo.: 230177E8 |
| Source: Rabbit | UNIPROT ID: Q96JB3 | Recommended Dilutions: IF/ICC 1:200-1:800 |
| Isotype: IgG | Full Name: hypermethylated in cancer 2 | |
| Immunogen Catalog Number: AG18789 | Calculated MW: 615 aa, 66 kDa | |

Applications

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| Tested Applications: IF/ICC, FC (Intra), ELISA | Positive Controls: IF/ICC : HepG2 cells, U2OS cells |
| Species Specificity: human | |

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

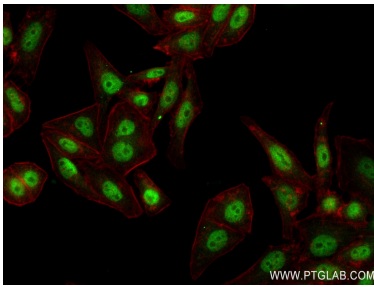
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

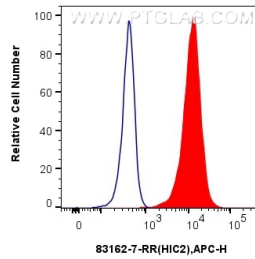
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

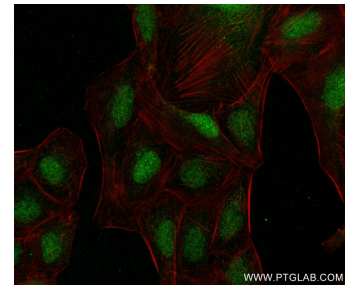
Selected Validation Data



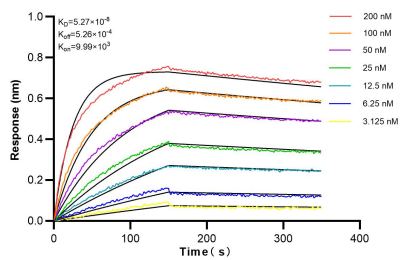
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HIC2 antibody (83162-7-RR, Clone: 230177E8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug Hic2 Recombinant Antibody (83162-7-RR, Clone:230177E8) and APC-Conjugated 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 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.