

For Research Use Only

HIC2 Recombinant antibody, PBS Only

Catalog Number: 83162-7-PBS



Basic Information

Catalog Number: 83162-7-PBS	GenBank Accession Number: BC094787	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23119	CloneNo.: 230177E8
Source: Rabbit	UNIPROT ID: Q96JB3	
Isotype: IgG	Full Name: hypermethylated in cancer 2	
Immunogen Catalog Number: AG18789	Calculated MW: 615 aa, 66 kDa	

Applications

Tested Applications:
IF/ICC, FC (Intra), Indirect ELISA

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

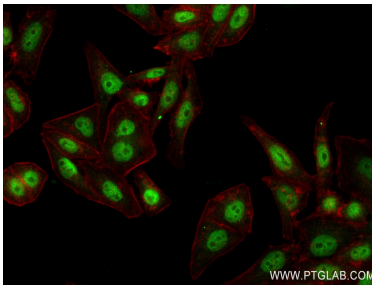
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

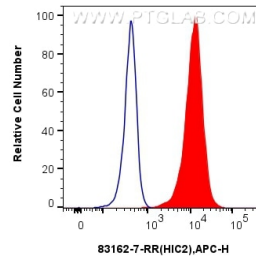
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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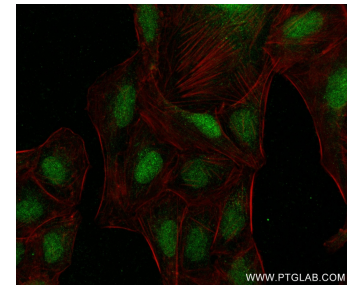
Selected Validation Data



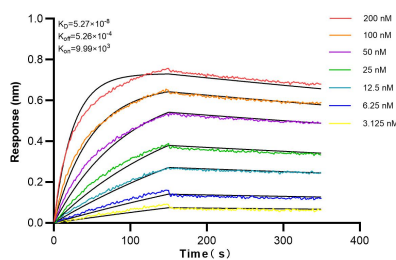
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HIC2 antibody (83162-7-RR, Clone: 230177E8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83162-7-PBS in a different storage buffer formulation.



1x10⁶ 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. This data was developed using the same antibody clone with 83162-7-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83162-7-PBS in a different storage buffer formulation.



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