

HIC2 Rabbit pAb

Catalog # AP97290

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q96JB3
Other Accession	Q96JB3
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66156
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HIC2
Epitope Specificity	501-600/615
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the krueppel C2H2-type zinc-finger protein family. Hic subfamily. Contains 1 BTB (POZ) domain. Contains 5 C2H2-type zinc fingers.
SUBUNIT	Self-associates. Interacts with HIC1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. HIC-2 (hypermethylated in cancer 2) possesses zinc finger motifs that are thought to be important for DNA-binding and also has a BTB/POZ domain at the N-terminus, which is thought to be important for protein-protein binding, as well as for the binding of transcription factors. HIC-2 is also known as Hic-3, HIC1-related gene on chromosome 22 or Zinc finger and BTB domain-containing protein 30, and is a 615 amino acid protein that is expressed as two isoforms produced by alternative splicing. HIC-2 is highly expressed in cerebellum and is localized to the nucleus in cells. HIC-2 contains a short amino acid sequence that is thought to interact with CtBP, a transcriptional repressor. The gene sequence associated with HIC-2 is thought to be a target for miRNAs (microRNAs) which are expressed in many cancers, suggesting that HIC-2 could possess tumor suppressor capabilities.

Additional Information

Gene ID	23119
Other Names	HRG22; ZBTB30; ZNF907; HIC2_HUMAN; HIC2; Hic-2; HIC1-related gene on chromosome 22 protein; Hic-3; Zinc finger and BTB domain-containing protein 30; KIAA1020; HIC ZBTB transcriptional repressor 2; hypermethylated in cancer 2

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	HIC2
Synonyms	HRG22, KIAA1020, ZBTB30
Function	Transcriptional repressor.
Cellular Location	Nucleus.
Tissue Location	Highest levels in cerebellum.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.