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HIC2 Rabbit pAb

Catalog # AP97290

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q96JB3
Other Accession	Q96JB3
Predicted	Rat, Pig, Human, Mouse, Chicken, Dog, Horse
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'.