

Rabbit Anti-HIC2 /AP Conjugated antibody

SL15486R-AP

Product Name	Anti-HIC2 /AP
Chinese Name	碱性磷酸酶 (AP) 标记的 Tumour 异常甲基化蛋白 2 抗体
Alias	HIC1 related gene on chromosome 22; HIC2; Hic3; HRG22; Hypermethylated in cancer 2 protein; KIAA1020; ZBTB30; Zinc finger and BTB domain-containing protein 30; ZNF907; HIC2_HUMAN.
Research Area	Chromatin and nuclear signals Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse) WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	66kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HIC2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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.

Function:

Transcriptional repressor.

Subunit:

Self-associates. Interacts with HIC1.

Subcellular Location:

Nucleus.

Tissue Specificity:

Highest levels in cerebellum.

Similarity:

Belongs to the krueppel C2H2-type zinc-finger protein family. Hic subfamily.

Contains 1 BTB (POZ) domain.

Contains 5 C2H2-type zinc fingers.

Database links:

[Entrez Gene: 23119](#) Human

[Omim: 607712](#) Human

[SwissProt: Q96JB3](#) Human

[Unigene: 632767](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.