SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HIC2 antibody

Catalog Number: SL15486R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HIC2
Immunogen:	KLH conjugated synthetic peptide derived from human HIC2 : 501-600/615
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	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 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse)
Predicted MW.:	66kDa
Subcellular Location:	The nucleus
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

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	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

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