

HIC1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56020**Specification**

HIC1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q14526
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76508

HIC1 Polyclonal Antibody - Additional Information**Gene ID** 3090**Other Names**

Hypermethylated in cancer 1 protein, Hic-1, Zinc finger and BTB domain-containing protein 29, HIC1, ZBTB29

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

HIC1 Polyclonal Antibody - Protein Information**Name** HIC1**Synonyms** ZBTB29**Function**

Transcriptional repressor (PubMed: [12052894](http://www.uniprot.org/citations/12052894), PubMed: [15231840](http://www.uniprot.org/citations/15231840) target="_blank">15231840). Recognizes and binds to the consensus sequence '5-[CG]NG[CG]GGGCA[CA]CC-3' (PubMed: [15231840](http://www.uniprot.org/citations/15231840) target="_blank">15231840). May act as a tumor suppressor (PubMed: [20154726](http://www.uniprot.org/citations/20154726) target="_blank">20154726). Involved in development of head, face, limbs and ventral body wall (By similarity). Involved in down-regulation of SIRT1 and thereby is involved in regulation of p53/TP53- dependent apoptotic DNA-damage responses (PubMed: [16269335](http://www.uniprot.org/citations/16269335) target="_blank">16269335). The specific target gene promoter association seems to be depend on corepressors, such as CTBP1 or CTBP2 and MTA1 (PubMed: [12052894](http://www.uniprot.org/citations/12052894) target="_blank">12052894, PubMed: [20547755](http://www.uniprot.org/citations/20547755) target="_blank">20547755). In

cooperation with MTA1 (indicative for an association with the NuRD complex) represses transcription from CCND1/cyclin-D1 and CDKN1C/p57Kip2 specifically in quiescent cells (PubMed:20547755). Involved in regulation of the Wnt signaling pathway probably by association with TCF7L2 and preventing TCF7L2 and CTNNB1 association with promoters of TCF-responsive genes (PubMed:16724116). Seems to repress transcription from E2F1 and ATOH1 which involves ARID1A, indicative for the participation of a distinct SWI/SNF-type chromatin-remodeling complex (PubMed:18347096, PubMed:19486893). Probably represses transcription of ACKR3, FGFBP1 and EFNA1 (PubMed:16690027, PubMed:19525223, PubMed:20154726).

Cellular Location

Nucleus.

Tissue Location

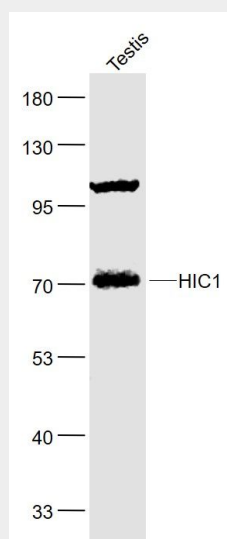
Ubiquitously expressed with highest levels found in lung, colon, prostate, thymus, testis and ovary. Expression is absent or decreased in many tumor cells

HIC1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HIC1 Polyclonal Antibody - Images



Sample:

Testis (Mouse) Lysate at 40 ug

Primary: Anti-HIC1 (bs-15485R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 76 kD

Observed band size: 72 kD