

## Anti-Collagen alpha-2(V) chain COL5A2 Antibody

Catalog Number: A03869

### About COL5A2

Transcriptional repressor which binds neuron-restrictive silencer element (NRSE) and represses neuronal gene transcription in non-neuronal cells. Restricts the expression of neuronal genes by associating with two distinct corepressors, mSin3 and CoREST, which in turn recruit histone deacetylase to the promoters of REST-regulated genes. Mediates repression by recruiting the BHC complex at RE1/NRSE sites which acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier.

Chong J.A.et.al. (1995)Cell 80:949-957

Schoenherr C.J.et.al.(1995)Science 267:1360-1363

Scholl T.et.al.(1996)J. Immunol. 156:1448-1457

Lunyak V.V.et.al. (2002)Science 298:1747-1752

### Overview

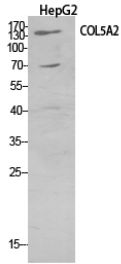
Product Name	Anti-Collagen alpha-2(V) chain COL5A2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Collagen alpha-2 (V) chain COL5A2 Antibody catalog # A03869. Tested in ELISA, IHC-P, WB applications. This antibody reacts with Human.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P05997

### Technical Details

Immunogen	Synthesized peptide derived from the N-terminal region of human COL5A2. At AA range: 1-50
Predicted Reactive Species	Bovine, Pig, Zebrafish
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	Immunogen affinity purified
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB, 1:500-1:2000</p> <p>IHC-P, 1:100-1:300</p> <p>ELISA 1:20000</p>

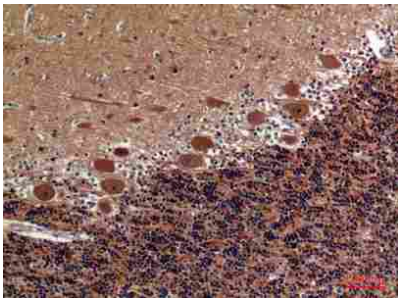
## Anti-Collagen alpha-2(V) chain COL5A2 Antibody (A03869) Images



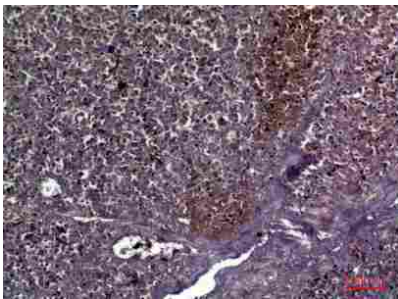
Western Blot (WB) analysis of HepG2 cells using COL5A2 Polyclonal antibody.



Immunohistochemistry (IHC) analysis of paraffin-embedded Human Brain, antibody was diluted at 1:100.



Immunohistochemistry (IHC) analysis of paraffin-embedded Human Brain, antibody was diluted at 1:100.



Immunohistochemistry (IHC) analysis of paraffin-embedded Human Pancreas, antibody was diluted at 1:100.

## 2 Publications Citing This Product

1. PubMed ID: 10.1002/acn3.51365, Identifying miRNAs in multiple sclerosis gray matter lesions that correlate with atrophy measures
2. PubMed ID: 29262657, hsa-miR-29c-3p regulates biological function of colorectal cancer by targeting SPARC

Visit [bosterbio.com/anti-col5a2-antibody-a03869-boster.html](http://bosterbio.com/anti-col5a2-antibody-a03869-boster.html) to see all 2 publications.

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