

For Research Use Only

Harmonin Polyclonal antibody

Catalog Number: 11358-1-AP

2 Publications



Basic Information

Catalog Number:

11358-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1919

GenBank Accession Number:

BC016057

GeneID (NCBI):

10083

UNIPROT ID:

Q9Y6N9

Full Name:

Usher syndrome 1C (autosomal recessive, severe)

Calculated MW:

552 aa, 62 kDa

Observed MW:

68-73 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:400-1:1600

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, PC-3 cells, mouse brain tissues, rat brain tissues

IP : HEK-293 cells,

IHC : Human Colon cancer tissue,

IF/ICC : HepG2 cells,

Background Information

Harmonin, also known as USH1C, is a scaffold protein which interacts with other USH1 proteins (USH1B/myosin VIIa and USH1G/sans) to form complex and is implicated in proper development, morphogenesis, and structural integrity of the hair cell mechanoreceptor. Mutations of Harmonin cause Usher syndrome type 1 (congenital deafness and balance disorder, and early-onset sight loss).

Notable Publications

Author	Pubmed ID	Journal	Application
Fabian Jansen	26620972	Hum Mol Genet	WB,IF
Qi You	36982591	Int J Mol Sci	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

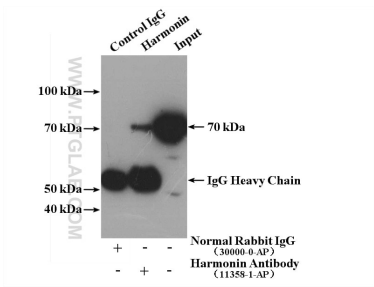
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

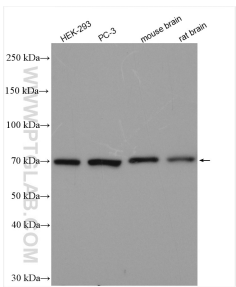
E: proteintech@ptglab.com
W: ptglab.com

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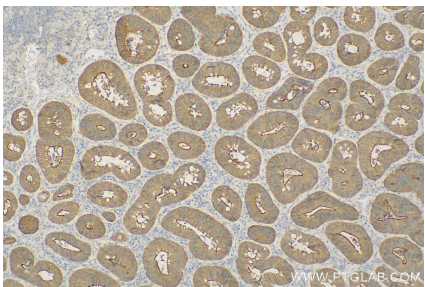
Selected Validation Data



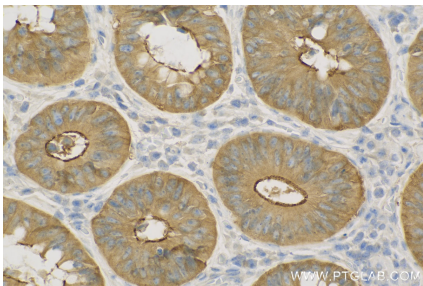
IP result of anti-Harmonin (IP:11358-1-AP, 4ug; Detection:11358-1-AP 1:600) with HEK-293 cells lysate 3000ug.



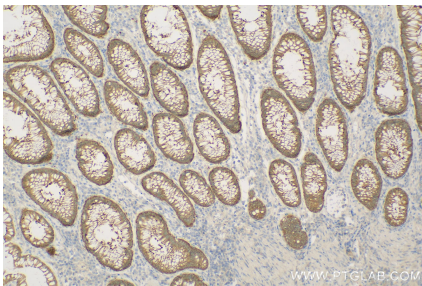
Various lysates were subjected to SDS PAGE followed by western blot with 11358-1-AP (Harmonin antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



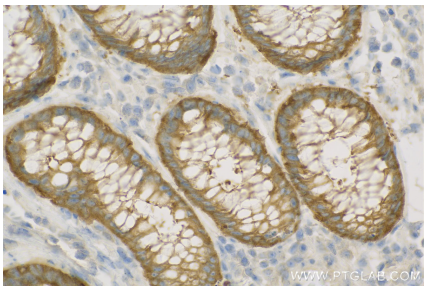
Immunohistochemical analysis of paraffin-embedded Human Colon cancer tissue slide using 11358-1-AP (Harmonin antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



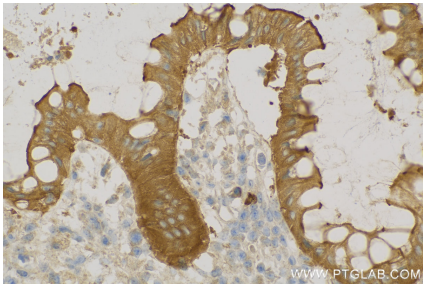
Immunohistochemical analysis of paraffin-embedded Human Colon cancer tissue slide using 11358-1-AP (Harmonin antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



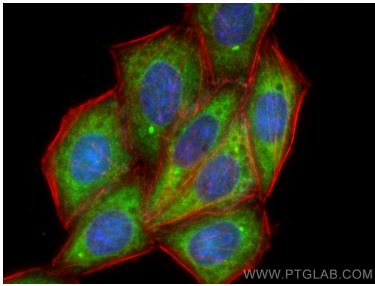
Immunohistochemical analysis of paraffin-embedded Human Colon cancer tissue slide using 11358-1-AP (Harmonin antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Human Colon cancer tissue slide using 11358-1-AP (Harmonin antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Human Colon cancer tissue slide using 11358-1-AP (Harmonin antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Harmonin antibody (11358-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).