

Rabbit anti-Human Harmonin/USH1C Polyclonal Antibody | anti-USH1C antibody

Anti-Harmonin/USH1C Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255028	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

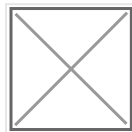
PRODUCT SYNONYMS

Harmonin/USH1C; Polyclonal Antibody; Anti-Harmonin/USH1C Antibody; Rabbit Polyclonal; USH1C/Harmonin Antibody; Rabbit PAb; Antigen Affinity Purified; Usher syndrome 1C (autosomal recessive; severe); Anti-AIE-75 Antibody; Anti-DFNB18 Antibody; Anti-DFNB18A Antibody; Anti-NY-CO-37 Antibody; Anti-NY-CO-38 Antibody; Anti-PDZ-45 Antibody; Anti-PDZ-73 Antibody; Anti-PDZ-73/NY-CO-38 Antibody; Anti-PDZ73 Antibody; Anti-PDZD7C Antibody; Anti-ush1cpst Antibody; anti-USH1C antibody

PRODUCT SPECIFICATIONS

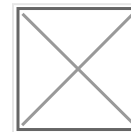
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human USH1C/Harmonin
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-USH1C antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human USH1C/Harmonin protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human USH1C/Harmonin (rh USH1C/Harmonin). USH1C/Harmonin specific IgG was purified by Human USH1C/Harmonin affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-USH1C rabbit polyclonal antibody at 1:500 dilution Lane A: Caco-2 Whole Cell Lysate Lysates/proteins at 60 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 73 kDa Observed band size: 70 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)

USH1C was immunoprecipitated using: Lane A: 0.5 mg Caco-2 Whole Cell Lysate 2 uL anti-USH1C rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-USH1C rabbit polyclonal antibody, at 1:500 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 75 kDa Observed band size: 70 kDa



IHC (Immunohistochemistry)

Immunochemical staining of human USH1C in human colon-carcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). Positive staining was localized to epithelium. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)

Immunochemical staining of human USH1C in human kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-USH1C antibody	Harmonin, also known as Antigen NY-CO-38/NY-CO-37, Autoimmune enteropathy-related antigen AIE-75, Protein PDZ-73, Renal carcinoma antigen NY-REN-3, Usher syndrome type-1C protein and USH1C, is a protein that is expressed in small intestine, colon, kidney, eye and weakly in pancreas. USH1C is expressed also in vestibule of the inner ear. USH1C contains 3 PDZ (DHR) domains. USH1C may be involved in protein-protein interaction. Defects in USH1C are the cause of Usher syndrome type 1C (USH1C), also known as Usher syndrome type I Acadian variety. USH is a genetically heterogeneous condition characterized by the association of retinitis pigmentosa and sensorineural deafness. Age at onset and differences in auditory and vestibular function distinguish Usher syndrome type 1 (USH1), Usher syndrome type 2 (USH2) and Usher syndrome type 3 (USH3). Defects in USH1C are also the cause of deafness autosomal recessive type 18 (DFNB18) which is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.
References	Verpy, E. et al., 2000, Nat Genet. 26 (1):51-5. Weil D., et al., 2003, Hum. Mol. Genet. 12:463-471. Reiners, J. et al., 2005, Hum Mol Genet. 14 (24):3933-43. Yan, D. et al., 2006, Mol Biol. 357 (3):755-64.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160113087
NCBI GeneID	10083
UniProt Accession #	Q9Y6N9 ; Q7RTU8 ; Q96B29 ; Q9UM04 ; Q9UM17 ; Q9UPC3 ; A8K423
Molecular Weight	552
NCBI Official Full Name	Harmonin
NCBI Official Synonym Full Names	Usher syndrome 1C (autosomal recessive, severe)
NCBI Official Symbol	USH1C
NCBI Official Synonym Symbols	PDZ73; AIE-75; DFNB18; PDZ-45; PDZ-73; PDZD7C; DFNB18A; NY-CO-37; NY-CO-38; ush1cpst; PDZ-73/NY-CO-38
NCBI Protein Information	harmonin; antigen NY-CO-38/NY-CO-37; usher syndrome type-1C protein; renal carcinoma antigen NY-REN-3; autoimmune enteropathy-related antigen AIE-75
UniProt Protein Name	Harmonin
UniProt Gene Name	USH1C
UniProt Synonym Gene Names	AIE75
UniProt Entry Name	USH1C_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/harmonin-ush1c-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255028>