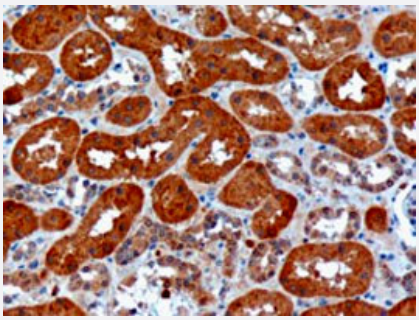
# USH1C polyclonal antibody

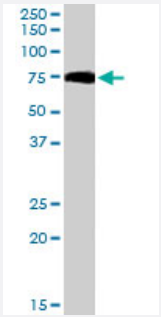
Catalog # PAB6589 Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

USH1C polyclonal antibody (Cat # PAB6589) (10 ug/mL) staining of paraffin embedded human kidney. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining. (Data have been obtained with EB06287 from a previous batch).




### Western Blot (Cell lysate)

USH1C polyclonal antibody (Cat # PAB6589) (0.1 ug/mL) staining of HEK293 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

| | |
|---|---|
| **Product Description** | Goat polyclonal antibody raised against synthetic peptide of USH1C. |
| **Immunogen** | A synthetic peptide corresponding to human USH1C. |
| **Sequence** | DRKVAREFRHKVD-C |
| **Host** | Goat |
| **Theoretical MW (kDa)** | 62.2, 101 |
| **Reactivity** | Human |
| **Specificity** | This antibody is expected to recognize both reported isoforms (NP_005700.2 and NP_710142.1). |

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| | |
|---|---|
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Concentration** | 0.5 mg/mL |
| **Quality Control Testing** | Antibody Reactive Against Synthetic Peptide. |
| **Recommend Usage** | ELISA (1:128000)<br>Western Blot (0.1-0.3 ug/mL)<br>Immunohistochemistry (10 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  USH1C polyclonal antibody (Cat # PAB6589) (10 ug/mL) staining of paraffin embedded human kidney. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining. (Data have been obtained with EB06287 from a previous batch).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  USH1C polyclonal antibody (Cat # PAB6589) (0.1 ug/mL) staining of HEK293 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Gene Info — USH1C

| | |
|---|---|
| **Entrez GeneID** | 10083 |
| **Protein Accession#** | NP_005700.2;NP_710142.1 |
| **Gene Name** | USH1C |
| **Gene Alias** | AIE-75, DFNB18, NY-CO-37, NY-CO-38, PDZ-45, PDZ-73, PDZ-73/NY-CO-38, PDZ73, ush1cps t |
| **Gene Description** | Usher syndrome 1C (autosomal recessive, severe) |

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| | |
|---|---|
| **Omim ID** | 276904 602092 605242 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a scaffold protein that functions in the assembly of Usher protein complexes. T he protein contains PDZ domains, a coiled-coil region with a bipartite nuclear localization signal a nd a PEST degradation sequence. Defects in this gene are the cause of Usher syndrome type 1 C and non-syndromic sensorineural deafness autosomal recessive type 18. Multiple transcript var iants encoding different isoforms have been found for this gene. [provided by RefSeq |
| **Other Designations** | harmonin |

## Publication Reference

- A defect in harmonin, a PDZ domain-containing protein expressed in the inner ear sensory hair cells, underlies Usher syndrome type 1C.

  Verpy E, Leibovici M, Zwaenepoel I, Liu XZ, Gal A, Salem N, Mansour A, Blanchard S, Kobayashi I, Keats BJ, Slim R, Petit C.

  Nature Genetics 2000 Sep; 26(1):51.

  Application: IF, Mouse, Mouse inner ear

## Disease

- Abnormalities
- Deafness
- Retinal Diseases
- Syndrome
- Tobacco Use Disorder
- Usher Syndromes

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