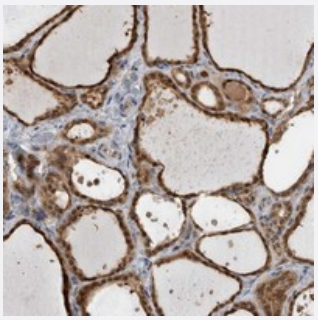
# USH1G polyclonal antibody

Catalog # PAB21685 Size 100 uL

## Applications



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

Immunohistochemical staining of human thyroid gland with USH1G polyclonal antibody (Cat # PAB21685) shows strong cytoplasmic and nuclear positivity in glandular cells at 1:500-1:1000 dilution.

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against recombinant USH1G. |
| **Immunogen** | Recombinant protein corresponding to amino acids of human USH1G. |
| **Sequence** | NIWCLDNDYHTPLDMAAMKGHMECVRYLDSIAAKQSSLNPKLVGKLKDKAFREAERRIRECAKLQ RRHHERMER |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide) |

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|---|---|
| **Storage Instruction** | Store at 4°C. For long term storage 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. |

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## Gene Info — USH1G

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|---|---|
| **Entrez GeneID** | 124590 |
| **Protein Accession#** | Q495M9 |
| **Gene Name** | USH1G |
| **Gene Alias** | ANKS4A, FLJ33924, SANS |
| **Gene Description** | Usher syndrome 1G (autosomal recessive) |
| **Omim ID** | 606943 607696 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a protein that contains three ankyrin domains, a class I PDZ-binding motif and a sterile alpha motif. The encoded protein interacts with harmonin, which is associated with Usher syndrome type 1C. This protein plays a role in the development and maintenance of the auditory a nd visual systems and functions in the cohesion of hair bundles formed by inner ear sensory cells. Mutations in this gene are associated with Usher syndrome type 1G (USH1G). [provided by RefS eq |
| **Other Designations** | Usher syndrome 1G protein\|scaffold protein containing ankyrin repeats and SAM domain |

## Disease

- Abnormalities
- Deafness
- Retinal Diseases

- Syndrome
- Usher Syndromes