

For Research Use Only

# ART1 Monoclonal antibody

Catalog Number: 66958-1-Ig **1 Publications**



## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>66958-1-Ig        | <b>GenBank Accession Number:</b><br>NM_004314 | <b>Purification Method:</b><br>Protein A purification                   |
| <b>Size:</b><br>1800 µg/ml                  | <b>GeneID (NCBI):</b><br>417                  | <b>CloneNo.:</b><br>1D10A8  |
| <b>Source:</b><br>Mouse                     | <b>UNIPROT ID:</b><br>P52961                  | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:1500-1:6000 |
| <b>Isotype:</b><br>IgG1                     | <b>Full Name:</b><br>ADP-ribosyltransferase 1 |   |
| <b>Immunogen Catalog Number:</b><br>AG28269 | <b>Calculated MW:</b><br>36 kDa               |   |
|   | <b>Observed MW:</b><br>34-36 kDa              |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IHC, WB, ELISA  | <b>Positive Controls:</b><br>WB : EC109 cells, HeLa cells, HEK-293 cells, HepG2 cells<br>IHC : human kidney tissue, |
| <b>Cited Applications:</b><br>WB   |   |
| <b>Species Specificity:</b><br>Human   |   |
| <b>Cited Species:</b><br>mouse   |   |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |   |

## Background Information

ART1 (ADP-ribosyltransferase 1) is an important mono-ADP-ribose transferase which can catalyze the mono-ADP-ribosylation of proteins including human neutrophil peptide-1 (HNP-1), fibroblast growth factor-2 (FGF-2) and platelet-derived growth factor-BB (PDGF-BB), and play a role in biological processes such as proliferation and invasion of cancer cells.

## Notable Publications

| Author        | Pubmed ID | Journal   | Application |
|---------------|-----------|-----------|-------------|
| Shuxian Zhang | 34357465  | Med Oncol | WB          |

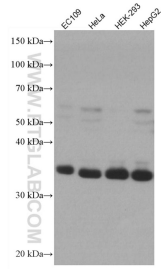
## Storage

**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

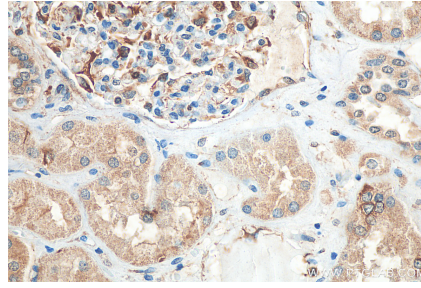
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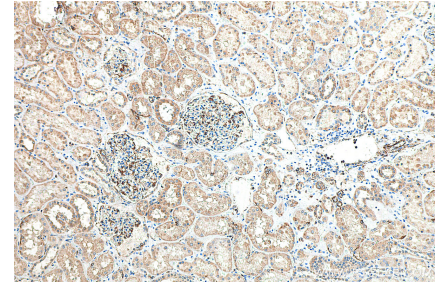
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66958-1-Ig (ART1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66958-1-Ig (ART1 antibody) at dilution of 1:3000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66958-1-Ig (ART1 antibody) at dilution of 1:3000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).