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# PGLS Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2935b

## Product Information

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|---|---|
| **Application** | WB, IHC-P, FC, E |
| **Primary Accession** | O95336 |
| **Other Accession** | P85971 |
| **Reactivity** | Human |
| **Predicted** | Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB20881 |
| **Calculated MW** | 27547 |
| **Antigen Region** | 191-220 |

## Additional Information

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|---|---|
| **Gene ID** | 25796 |
| **Other Names** | 6-phosphogluconolactonase, 6PGL, PGLS |
| **Target/Specificity** | This PGLS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-220 amino acids from the C-terminal region of human PGLS. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | PGLS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | PGLS ( HGNC:8903) |
| **Function** | Hydrolysis of 6-phosphogluconolactone to 6-phosphogluconate. |

**Cellular Location** Cytoplasm.

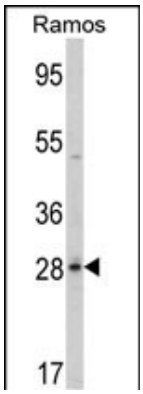
## Background

PGLS hydrolyzes 6-phosphogluconolactone to 6-phosphogluconate.

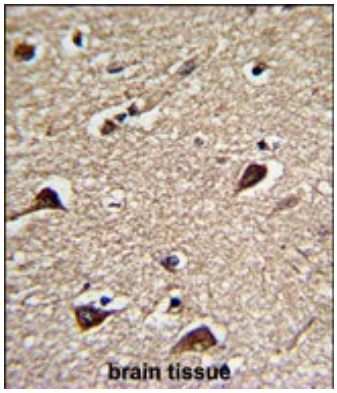
## References

Miclet,E., et.al., J. Biol. Chem. 276 (37), 34840-34846 (2001)

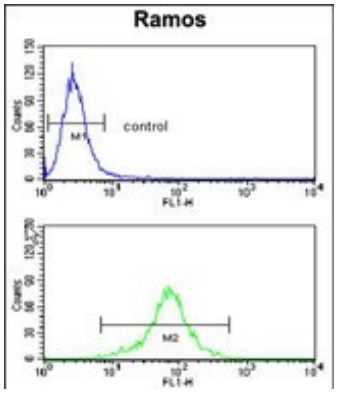
## Images




Western blot analysis of PGLS Antibody (C-term) (Cat. #AP2935b) in Ramos cell line lysates (35ug/lane). PGLS (arrow) was detected using the purified Pab.




Formalin-fixed and paraffin-embedded human brain tissue reacted with PGLS Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.




PGLS Antibody (C-term) (Cat. #AP2935b) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.