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# SALL4 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1488b

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q9UJQ4 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Calculated MW** | 112231 |
| **Antigen Region** | 1009-1039 |

## Additional Information

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| **Gene ID** | 57167 |
| **Other Names** | Sal-like protein 4, Zinc finger protein 797, Zinc finger protein SALL4, SALL4, ZNF797 |
| **Target/Specificity** | This SALL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1009-1039 amino acids from the C-terminal region of human SALL4. |
| **Dilution** | WB~~1:1000 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** | SALL4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | SALL4 |
| **Synonyms** | ZNF797 |
| **Function** | Transcription factor with a key role in the maintenance and self-renewal of embryonic and hematopoietic stem cells. |

**Cellular Location** Cytoplasm. Nucleus.

**Tissue Location** Expressed in testis. Constitutively expressed in acute myeloid leukemia (AML).

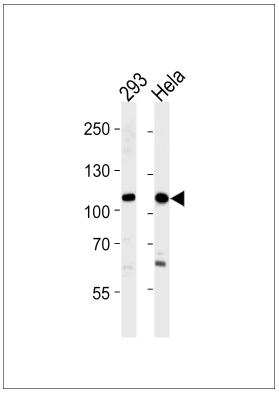
## Background

Sall4 is a probable transcription factor. Defects in Sall4 are the cause of Okihiro syndrome; also known as Duane radial ray syndrome (DRRS). It is a disorder characterized by the association of forearm malformations with Duane retraction syndrome. Sall4 is also involved in forelimb and heart development in mice.

## References

Borozdin,W., Hum. Mutat. 28 (8), 830 (2007)
Yang,J., Proc. Natl. Acad. Sci. U.S.A. 104 (25), 10494-10499 (2007)
Paradisi,I.,Am. J. Med. Genet. A 143 (4), 326-332 (2007)

## Images




SALL4 Antibody (C-term) (Cat. #AP1488b) western blot analysis in 293,Hela cell line lysates (35ug/lane).This demonstrates the SALL4 antibody detected the SALL4 protein (arrow).

## Citations

- Molecular mechanisms regulating the establishment of hepatocyte polarity during human hepatic progenitor cell differentiation into a functional hepatocyte-like phenotype.
- Knockdown of SALL4 expression using RNA interference induces cell cycle arrest, enhances early apoptosis, inhibits invasion and increases chemosensitivity to temozolomide in U251 glioma cells.
- The expression of SALL4 in patients with gliomas: high level of SALL4 expression is correlated with poor outcome.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.