# SALL-4 (Metastatic Germ Cell Tumor Marker) Antibody

Mouse Monoclonal Antibody [Clone SALL4/12615]

| Catalog No | Format | Size |
|---|---|---|
| 57167-MSM5-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |
| 57167-MSM5-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 57167-MSM5-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |

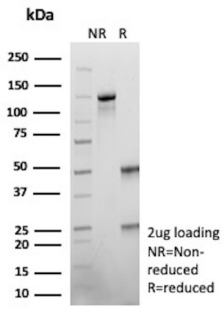
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

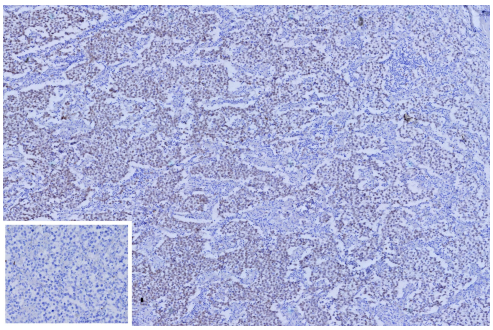
| | |
|---|---|
| **Clone** | SALL4/12615 |
| **Gene Name** | SALL4 |
| **Immunogen** | Recombinant fragment (around aa200-500) of human SALL-4 protein (exact sequence is proprietary) |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 165 / 95 kDa (A isoform / B isoform) |
| **Cellular Localization** | Nucleus |
| **Species Reactivity** | Human |
| **Positive Control** | Human testis, seminoma or ovary. |

**Optimal dilution for a specific application should be determined.*

## Product Images for SALL-4 (Metastatic Germ Cell Tumor Marker) Antibody




SDS-PAGE Analysis of Purified SALL4 Mouse Monoclonal Antibody (SALL4/12615). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human seminoma stained with SALL4 Mouse Monoclonal Antibody (SALL4/12615). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min. Inset: PBS instead of primary antibody; secondary only negative control.

## Specificity & Comments

Sall3 (SALL3, sal-like 3) and Sall4 (SALL4, sal-like 4) are mammalian homologs of the Drosophila region-specific homeotic gene spalt, which encodes a zinc finger-containing transcription regulator. Drosophila spalt is an essential genetic component required for the specification of posterior head and anterior tail as opposed to trunk. Sall3 is expressed at 24 weeks of gestation in several regions of the human fetal brain including neurons of the hippocampus formation and of mediodorsal and ventrolateral thalamic nuclei, Purkinje cells of the cerebellum, and a subset of neurons in the brainstem. Sall4 expression in early mouse embryos is gradually confined to the head region and the primitive streak, followed by prominent expression in the developing midbrain, branchial arches, limbs and genital papilla.

## Supplied As

200ug/ml of Ab purified by Protein A Column. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

AKT Signaling, Cardiovascular, Developmental Biology, Nuclear Marker, Signal Transduction, Transcription Factors

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.