SALL-4 (Metastatic Germ Cell Tumor Marker) Antibody

Mouse Monoclonal Antibody [Clone SALL4/12615]

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

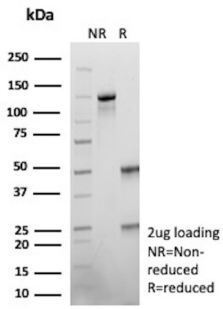
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

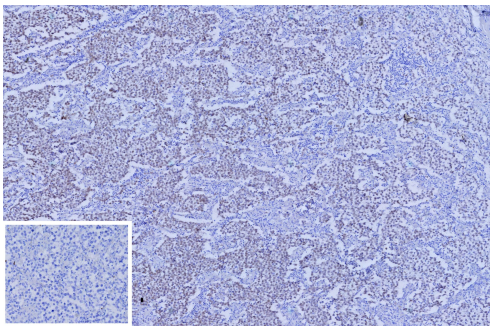
Clone	SALL4/12615
Gene Name	SALL4
Immunogen	Recombinant fragment (around aa200-500) of human SALL-4 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	165 / 95 kDa (A isoform / B isoform)
Cellular Localization	Nucleus
Species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

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

Limitations and Warranty