For Research Use Only

SALL4 Recombinant monoclonal antibody

Catalog Number:83039-8-RR

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Basic Information

Catalog Number:
83039-8-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG16076

GenBank Accession Number:
BC111714

GeneID (NCBI):
57167

UNIPROT ID:
Q9UJQ4

Full Name:
sal-like 4 (Drosophila)

Calculated MW:
1053 aa, 112 kDa

Purification Method:
Protein A purification

CloneNo.:
230284B4

Recommended Dilutions:
IHC: 1:1500-1:6000

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human seminoma tissue,

Background Information

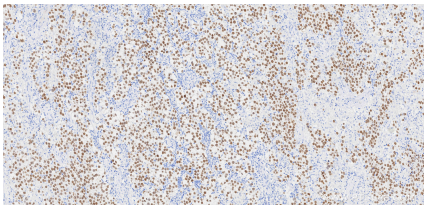
SALL4, also named Sal-like protein 4 or Zinc finger protein 797, contains 7 C2H2-type zinc fingers and belongs to the sal C2H2-type zinc-finger protein family. SALL4 is constitutively expressed in acute myeloid leukemia. The constitutive expression of SALL4 in mice is sufficient to induce MDS-like symptoms and transformation to AML that is transplantable. SALL4 is able to bind beta-catenin and activate the Wnt/beta-catenin signaling pathway. Sequence analysis of the larger cDNA fragment isolated revealed a single, large open-reading frame, designated as SALL4A, that started from a strong consensus initiation sequence and was expected to encode 1053 amino acids. The other splicing variant of SALL4, designated SALL4B, lacked the region corresponding to amino acids 385 to 820 of the full-length SALL4A. The putative protein encoded by SALL4B cDNA was expected to consist of 617 amino acids.

Storage

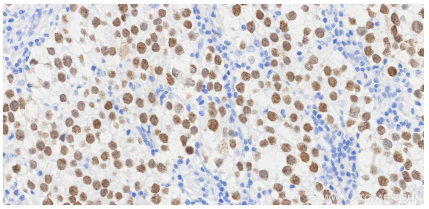
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

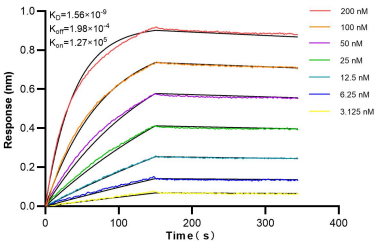
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human seminoma tissue slide using 83039-8-RR (SALL4 antibody) at dilution of 1:3000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human seminoma tissue slide using 83039-8-RR (SALL4 antibody) at dilution of 1:3000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83039-8-RR against Human SALL4 were performed. The affinity constant is 1.56 nM.