

For Research Use Only

# SALL4 Recombinant antibody

Catalog Number: 83039-4-RR



## Basic Information

<b>Catalog Number:</b> 83039-4-RR	<b>GenBank Accession Number:</b> BC111714	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57167	<b>CloneNo.:</b> 230284C4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UJQ4	<b>Recommended Dilutions:</b> IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> sal-like 4 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG16076	<b>Calculated MW:</b> 1053 aa, 112 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : Caco-2 cells,
<b>Species Specificity:</b> human	

## 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

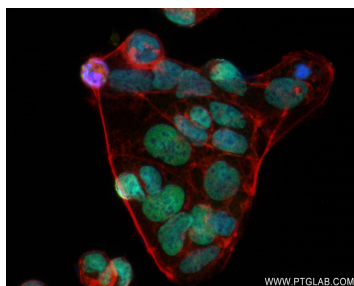
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

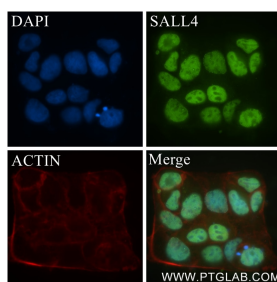
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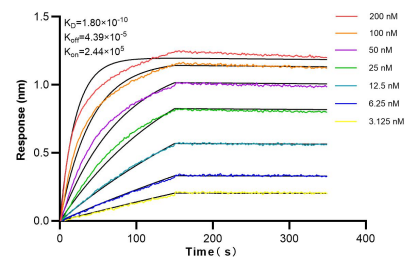
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using SALL4 antibody (83039-4-RR, Clone: 230284C4) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed Caco-2 cells using SALL4 antibody (83039-4-RR, Clone: 230284C4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 83039-4-RR against Human SALL4 were performed. The affinity constant is 0.18 nM.