

For Research Use Only

SALL4 Monoclonal antibody

Catalog Number: 66236-1-Ig **3 Publications**



Basic Information

Catalog Number: 66236-1-Ig	GenBank Accession Number: BC111714	Purification Method: Protein G purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop and 793 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57167	CloneNo.: 2B5B2
Source: Mouse	UNIPROT ID: Q9UJQ4	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG1	Full Name: sal-like 4 (Drosophila)	
Immunogen Catalog Number: AG17480	Calculated MW: 1053 aa, 112 kDa	
	Observed MW: 165 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : K-562 cells,
Cited Applications: WB, IHC	
Species Specificity: human	
Cited Species: human	

Background Information

SALL4, also named as 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Peng Wu	32222813	Pediatr Surg Int	IHC
Chiung-Chi Cheng	33860837	Cancer Chemother Pharmacol	WB
Jun Zhang	39500780	Discov Oncol	WB

Storage

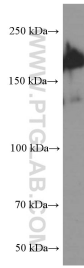
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 66236-1-Ig (SALL4 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.