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SALL4 Recombinant Rabbit mAb

Catalog # AP96363

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the sal C2H2-type zinc-finger protein family. Contains 7 C2H2-type zinc fingers.
DISEASE	Defects in SALL4 are the cause of Duane-radial ray syndrome (DRRS) [MIM:607323]; also known as Okihiro syndrome. DRRS is a disorder characterized by the association of forearm malformations with Duane retraction syndrome. Defects in SALL4 are the cause of oculootoradial syndrome (OORS) [MIM:147750]. Oculootoradial syndrome is an autosomal dominant condition characterized by upper limbs anomalies (radial ray defects, carpal bones fusion), extraocular motor disturbances, congenital bilateral non-progressive mixed hearing loss. Other less consistent malformations include heart involvement, mild thrombocytopenia and leukocytosis (before age 50), shoulder girdle hypoplasia, imperforate anus, kidney malrotation or rectovaginal fistula. The IVIC syndrome is an allelic disorder of Duane-radial ray syndrome (DRRS) with a similar phenotype.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Sall4 is 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.

Additional Information

Other Names	DRRS; HSAL4; IVIC; ZNF797; 5730441M18Rik; C330011P20Rik; Tex20; SALL4_HUMAN; SALL4; Zinc finger protein 797; Zinc finger protein SALL4; SALL4_MOUSE; spalt like transcription factor 4; sal (Drosophila)-like 4; sal-like 4 (Drosophila)

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	SALL4 Recombinant Rabbit mAb
Function	Probable transcription factor.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.