abcam

Product datasheet

Anti-SALL1 antibody [K9814] ab41974

★★★★★ 2 Abreviews 5 References 2 Images

Overview

Product name	Anti-SALL1 antibody [K9814]
Description	Mouse monoclonal [K9814] to SALL1
Host species	Mouse
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Mouse
Immunogen	Baculovirus-expressed recombinant fragment, corresponding to amino acids 258/499 of Human SALL1
General notes	This product was changed from ascites to tissue culture supernatant on 3rd April 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	K9814
Myeloma	NS1

Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab41974 in the following tested applications.

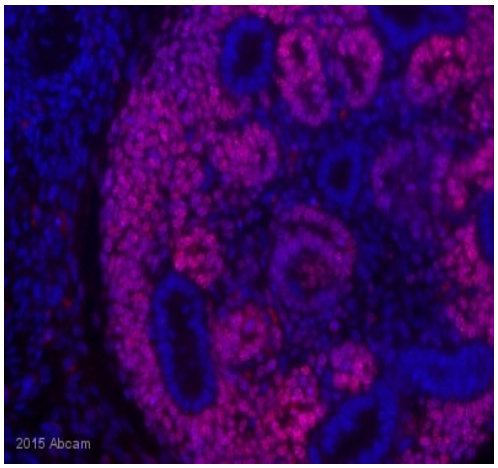
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.

Target

Function	Transcriptional repressor involved in organogenesis.
Tissue specificity	Highest levels in kidney. Lower levels in adult brain (enriched in corpus callosum, lower expression in substantia nigra) and liver.
Involvement in disease	Defects in SALL1 are the cause of Townes-Brocks syndrome (TBS) [MIM:107480]. TBS is a rare, autosomal dominant malformation syndrome with a combination of imperforate anus, triphalangeal and supernumerary thumbs, malformed ears and sensorineural hearing loss. Defects in SALL1 may cause a phenotype overlapping with TBS, similar to bronchio-oto-renal syndrome (BOR) [MIM:113650]. BOR is an autosomal dominant disorder, manifested by various combinations of preauricular pits, branchial fistulae or cysts, lacrimal duct stenosis, hearing loss, structural defects of the outer, middle, or inner ear, and renal dysplasia. Associated defects include asthenic habitus, long narrow facies, constricted palate, deep overbite, and myopia. Hearing loss may be due to Mondini type cochlear defect and stapes fixation.
Sequence similarities	Belongs to the sal C2H2-type zinc-finger protein family. Contains 9 C2H2-type zinc fingers.
Developmental stage	In fetal brain exclusively in neurons of the subependymal region of hypothalamus lateral to the third ventricle.
Cellular localization	Nucleus.

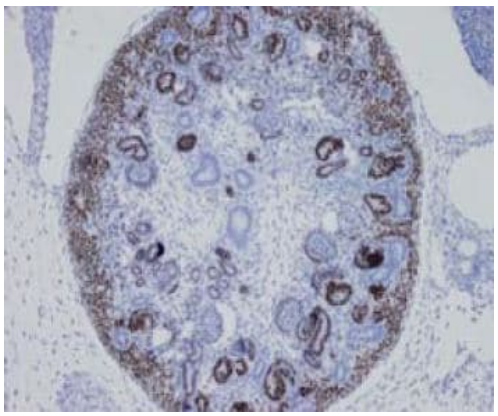
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SALL1 antibody [K9814] (ab41974)
Image courtesy of an anonymous Abreview

Ab41974 staining SALL1 in Mouse embryonic kidney at tissue sections by Immunohistochemistry (IHC- P- paraformaldehyde-fixed, paraffin- embedded sections). Tissue was fixed with paraformaldehyde and blocked with 10µg/ml BSA for 1 hour at 25^{o}C; antigen retrieval was by heat mediation in a Tris/EDTA (pH9). Samples were incubated with primary antibody (1/100 with 6% Horse serum in PBST) for 16hours at 4^{o}C. An Alexa Fluor® 568 donkey anti-mouse polyclonal (1/500 dilution) was used as the secondary antibody.

This image was generated using the ascites version of the product.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SALL1 antibody [K9814] (ab41974)

ab41974 staining SALL1 in Mouse embryo kidnet tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).

This image was generated using the ascites version of the product.

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