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Monoclonal Anti-human SALL1 Antibody (Protein A purified)

ORDERING INFORMATION

Catalog Number: PP-K9814-0C

Clone: K9814

GenBank: NM_002968

Ig Class: G2a

Volume: 100 µL

Concentration: 1 mg/mL

Formulation: Physiological saline with 0.1% NaN3 as a preservative.

Storage: ≤ -20 °C

Specificity: human SALL1

Purification: Affinity chromatography with Protein A

Applications: Western Blot
Direct ELISA
Immunohistochemistry
Immunoprecipitation

PPMX
PERSEUS PROTEOMICS

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Description

Human SAL-like protein 1 (SALL1, HSAL-1) is a 1324 amino acid (aa) member of the SAL C_2H_2-type zinc-finger protein family. It is characterized by the presence of multiple C_2H_2 zinc-fingers and is expressed principally in kidney and brain. It is a transcriptional repressor when associated with histone deacetylase and a transcriptional activator of the Wnt pathway in its native form. There are at least 35 mutations associated with SALL1, mostly in the N-terminal third of the molecule. They result in short insertions, deletions, and premature terminations. For example, one mutation results in a 372 aa truncated protein, while a frameshift results in 68 new amino acids after amino acid 423.

Preparation

Produced in serum-free medium with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus expressed recombinant human SALL1 (258-499 aa).

Formulation

A liquid formulation in physiologic saline with 0.1% NaN_3.

Storage

This antibody is stable for greater than six months when held at -20 °C **in a manual defrost freezer** or at -70 °C. Upon thawing, the antibody can be stored at 2-8 °C for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody specifically recognizes human SALL1 and cross-reacts with mouse SALL1. Not yet tested in other species.

Applications

Western Blot - This antibody can be used at 1 µg/mL under reducing conditions with the appropriate secondary reagents to detect human SALL1.

Direct ELISA - This antibody can be used at 0.5 µg/mL with the appropriate secondary reagents to detect human SALL1.

Immunohistochemistry - Optimal dilutions should be determined by each laboratory.

Immunoprecipitation - Optimal dilutions should be determined by each laboratory.

Optimal dilutions should be determined by each laboratory for each application.

Caution: Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.