Human/Mouse SALL4 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 651839

Catalog Number: FAB6374R

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse SALL4 in Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 651839
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human SALL4 Lys96-Gly359 Accession # Q9UJQ4
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

SALL4 (SAL-like protein 4) is a 1324 amino acid (aa) member of the SAL protein family that possess multiple C_2H_2-type zinc-fingers. It is a transcriptional repressor when associated with histone deacetylase and a transcriptional activator of the Wnt pathway in its native form. It contributes to generation of induced pluripotent stem cells and to axis formation during development. It is frequently overexpressed in germ cell tumors and acute myeloid leukemias. Mutations of human SALL4 can result in conditions such as Okihiro, Duane Radial Ray, or Holt-Oram syndromes. The region used as an immunogen is common to both SALL4 and the ubiquitous 617 aa isoform, SALL4B; it shares 76% aa identity between human and mouse.

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