

Datasheet for ABIN1819949

anti-SOS1 antibody



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Overview

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| Quantity: | 0.1 mg |
| Target: | SOS1 |
| Reactivity: | Human, Mouse, Rat, Horse, Rabbit, Cow, Monkey, Guinea Pig, Pig |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This SOS1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF) |

Product Details

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|--------------|--|
| Immunogen: | <p>Synthetic peptide corresponding to amino acids THPSMHRDGPPLLENAHSS of human SOS1.</p> <p>Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Ferret, Elephant, Panda, Bovine, Cat, Horse, Rabbit, Opossum, Guinea pig (100%), Dog, Turkey, Zebra finch (95%), Lizard (89%).</p> <p>Type of Immunogen: Synthetic peptide</p> |
| Clone: | SOS-1 |
| Isotype: | IgG1 |
| Specificity: | <p>Recognizes SOS1 (son of sevenless homolog 1), a ubiquitously expressed 150kD intracellular protein and bifunctional guanine nucleotide exchange factor (GEF), which plays a role in growth and differentiation signalling pathways and in actin reorganization, by acting as a regulator of Ras and Rac/Rho GTPases. Mutations in the SOS1 gene are responsible for the rare oral overgrowth condition known as gingival fibromatosis 1 (GINGF1), and also the cause of the</p> |

Product Details

relatively common autosomal dominant disorder Noonan syndrome type 4 (NS4), characterized by short stature, congenital heart malformation, bleeding diathesis and distinctive facial features.

Purification: Protein A purified

Target Details

Target: SOS1

Alternative Name: SOS1 / HGF ([SOS1 Products](#))

Target Type: Viral Protein

Background: Name/Gene ID: SOS1

Synonyms: SOS1, GINGF, NS4, SOS-1, Son of sevenless homolog 1, GF1, GGF1

Gene ID: 6654

Pathways: [RTK Signaling](#), [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Hepatitis C](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [BCR Signaling](#)

Application Details

Application Notes: Approved: ELISA, IF, WB (1 µg/mL)

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: PBS, 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Handling

Storage Comment: 4°C or -20°C, Avoid freeze-thaw cycles.