Mouse Sulfatase Modifying Factor 2/SUMF2 Alexa Fluor® 700-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 382407

Catalog Number: FAB3454N

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Sulfatase Modifying Factor 2/SUMF2 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human SUMF2 or recombinant mouse SUMF1 is observed.
Source	Monoclonal Rat IgG_{2A} Clone # 382407
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Sulfatase Modifying Factor 2/SUMF2 Gln34-Leu308 Accession # Q8BPG6
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

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

Sulfatase Modifying Factor 2 (SUMF2) is structurally similar to SUMF1, which activates sulfatases by converting their active site residue cysteine to formylglycine. Functionally, SUMF2 does not activate sulfatases, but rather competes with SUMF1 for the same substrates. The amino acid sequence of mouse SUMF2 is 94%, 83%, 82%, 81% and 72% identical to that of rat, human, canine, chimpanzee and chicken.

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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475