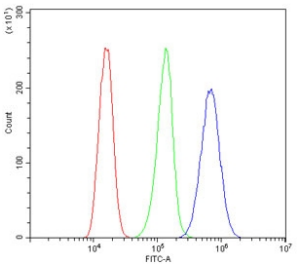
SAE2 Antibody [clone 5H11] (RQ5505)

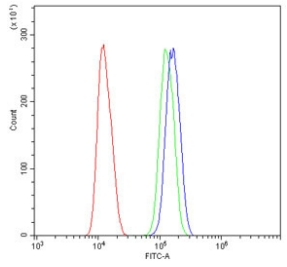
Catalog No.	Formulation	Size
RQ5505	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

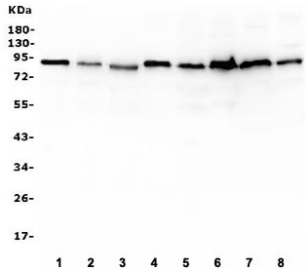
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	5H11
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9UBT2
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This SAE2 antibody is available for research use only.



Flow cytometry testing of human A431 cells with SAE2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SAE2 antibody.



Flow cytometry testing of human U-2 OS cells with SAE2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SAE2 antibody.



Western blot testing of human 1) K562, 2) Raji, 3) ThP-1, 4) SW579, 5) HepG2, 6) CCRF-CEM, 7) rat PC-12 and 8) mouse RAW246.7 lysate with SAE2 antibody. Predicted molecular weight: ~72 kDa but routinely observed at ~90 kDa.

Description

Ubiquitin-like 1-activating enzyme E1B (UBLE1B) also known as SUMO-activating enzyme subunit 2 (SAE2) is an enzyme that in humans is encoded by the UBA2 gene. Posttranslational modification of proteins by the addition of the small protein SUMO, or sumoylation, regulates protein structure and intracellular localization. SAE1 and UBA2 form a heterodimer that functions as a SUMO-activating enzyme for the sumoylation of proteins

Application Notes

Optimal dilution of the SAE2 antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids E449-K564) was used as the immunogen for the SAE2 antibody.

Storage

After reconstitution, the SAE2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com