

RSBN1L Antibody / Lysine-specific demethylase RSBN1L Antibody (FY13552)

Catalog No.	Formulation	Size
FY13552	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Buffer	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
UniProt	Q6PCB5
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5 ug/ml
Limitations	This RSBN1L Antibody / Lysine-specific demethylase RSBN1L Antibody is intended for research use only.

RSBN1L Antibody by FACS in human HEL cells. Intracellular flow cytometry using Lysine-specific demethylase RSBN1L Antibody shows a rightward fluorescence shift in fixed and permeabilized HEL cells compared with the isotype control. The antibody-stained population is shown in blue, the rabbit IgG isotype control in green and the unstained blank control in red. Cells were fixed with 4% paraformaldehyde, permeabilized and incubated with primary antibody at 1 ug per 1 x 10⁶ cells for 30 minutes at 20°C. A fluorescent secondary antibody was used for detection. This experiment evaluates intracellular RSBN1L-associated immunoreactivity.

RSBN1L Antibody by WB in human hematopoietic cell lines. Western blot analysis using Lysine-specific demethylase RSBN1L Antibody detects a band near 100 kDa in K562 (lane 1), SH-SY5Y (lane 2), HEL (lane 3) and THP-1 (lane 4) whole-cell lysates. The observed migration is close to the calculated molecular weight of approximately 95 kDa. Each lane contained 30 ug of reduced lysate resolved by 10% SDS-PAGE before transfer to nitrocellulose. Membranes were blocked with 5% nonfat milk and incubated with primary antibody at 0.5 ug/mL overnight at 4°C. Immunoreactivity was visualized using an HRP-conjugated secondary antibody and chemiluminescent detection.

Description

RSBN1L Antibody / Lysine-specific demethylase RSBN1L Antibody detects RSBN1L, a protein related to RSBN1 and associated by sequence with a family of nuclear regulatory proteins. The name reflects a relationship to a protein originally characterized in the context of germ-cell development. However, similarity of sequence or nomenclature does not by itself establish that RSBN1L has an identical expression pattern or function. The specific biological activities of RSBN1L remain less well characterized than those of many established transcriptional regulators and enzymes.

Germ-cell differentiation involves substantial changes in chromatin organization, transcription, and the packaging of genetic material. Proteins participating in these events can help coordinate the transition between cellular stages. RSBN1L has attracted interest as a member of a family potentially linked to nuclear and chromatin-associated processes, but direct biochemical evidence is necessary before assigning it a particular substrate or regulatory pathway. The distinction between an inferred function and an experimentally demonstrated interaction is especially important for proteins with limited functional characterization.

Further study of RSBN1L may clarify its molecular partners, intracellular distribution, and relationship to related proteins. Understanding these features can help place it within broader programs of cellular differentiation and nuclear regulation. Changes in expression may provide clues to biological roles but do not alone establish a causal mechanism. NSJ Bioreagents includes RSBN1L among its protein targets. An RSBN1L Antibody relates to the characterization of round spermatid basic protein-related factors and their potential contributions to cellular regulation.

Explore related research targets in our [Cell Biology Antibodies](#) collection.

Application Notes

For best results, determine the optimal working dilution of the RSBN1L Antibody / Lysine-specific demethylase RSBN1L Antibody experimentally.

Immunogen

The RSBN1L Antibody was generated using e. coli-derived human RSBN1L recombinant protein (amino acids K273-Q829).

Storage

After reconstitution, the RSBN1L Antibody may be stored at 4°C for up to one month. For longer storage, aliquot and freeze at -20°C for up to six months. Avoid repeated freezing and thawing.

Alternate Names

RSBN1L antibody, Lysine-specific demethylase RSBN1L antibody, round spermatid basic protein 1 like antibody, EC 1.14.11.- antibody, Round spermatid basic protein 1-like protein antibody, RSBN1L rabbit polyclonal antibody