

SLX1B Antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # Al15971

Specification

SLX1B Antibody - N-terminal region - Product Information

Application WB
Primary Accession O9BO83

Reactivity Human, Mouse, Rat, Rabbit, Horse, Bovine,

Guinea Pig, Dog

Predicted Human, Mouse, Rat, Rabbit, Pig, Horse,

Bovine, Guinea Pig, Dog

Host Rabbit
Clonality Polyclonal
Calculated MW 30kDa KDa

SLX1B Antibody - N-terminal region - Additional Information

Gene ID 548593;79008

Other Names

Structure-specific endonuclease subunit SLX1 {ECO:0000255|HAMAP-Rule:MF_03100}, 3.1.-.- {ECO:0000255|HAMAP-Rule:MF_03100}, GIY-YIG domain-containing protein 1 {ECO:0000255|HAMAP-Rule:MF_03100}, SLX1A {ECO:0000255|HAMAP-Rule:MF_03100}

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 &mu, I of distilled water. Final Anti-SLX1B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

SLX1B Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SLX1B Antibody - N-terminal region - Protein Information

Name SLX1A {ECO:0000255|HAMAP-Rule:MF 03100}

Function

Catalytic subunit of the SLX1-SLX4 structure-specific endonuclease that resolves DNA secondary structures generated during DNA repair and recombination. Has endonuclease activity towards branched DNA substrates, introducing single-strand cuts in duplex DNA close to junctions with ss-DNA. Has a preference for 5'-flap structures, and promotes symmetrical cleavage of static and migrating Holliday junctions (HJs). Resolves HJs by generating two pairs of ligatable, nicked duplex products.



Cellular Location

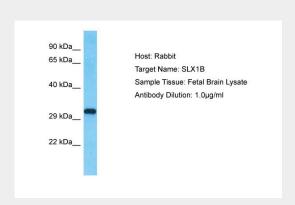
Nucleus {ECO:0000255|HAMAP-Rule:MF 03100, ECO:0000269|PubMed:19596236}

SLX1B Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

SLX1B Antibody - N-terminal region - Images



Host: Rabbit

Target Name: SLX1B

Sample Tissue: Fetal Brain lysates Antibody Dilution: 1.0µg/ml

SLX1B Antibody - N-terminal region - Background

Catalytic subunit of the SLX1-SLX4 structure-specific endonuclease that resolves DNA secondary structures generated during DNA repair and recombination. Has endonuclease activity towards branched DNA substrates, introducing single-strand cuts in duplex DNA close to junctions with ss-DNA. Has a preference for 5'-flap structures, and promotes symmetrical cleavage of static and migrating Holliday junctions (HJs). Resolves HJs by generating two pairs of ligatable, nicked duplex products.

SLX1B Antibody - N-terminal region - References

Martin J., et al. Nature 432:988-994(2004). Hildebrandt M.A.T., et al. Biochem. Biophys. Res. Commun. 321:870-878(2004). Svendsen J.M., et al. Cell 138:63-77(2009).

Fekairi S., et al. Cell 138:78-89(2009).

Munoz I.M., et al. Mol. Cell 35:116-127(2009).