abcam

Product datasheet

Salmon Sperm ssDNA ab229278

1 References

Overview

Product name	Salmon Sperm ssDNA
General notes	This product is a convenient, ready-to-use solution of salmon sperm DNA especially prepared for use in the preparation of pre-hybridization and hybridization solutions and as a DNA carrier in yeast transformation protocols and other related methods. This solution contains sheared single-stranded DNA molecules that can be used to block the non-specific attachment of probe DNA to the surface of a membrane (Southern) or to increase yeast transformation efficiency. **Background**: Prepared by a modification of the method of Emanuel and Chaikoff, JBC 203, 164 (1953) from salmon testes DNA by mechanical shearing and heat denaturation to an average size of 100 to 200 base pairs. To reverse any renaturation occurring during storage, this material should be briefly boiled and rapidly chilled prior to use. >75% native nucleic acid. **Purity/Specifity**: A260/A280: 1.85 % Hyperchromocity: 30.5.
Tested applications	**Suitable for:** ChIP, In situ hybridization, Blocking

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituents: 0.16% Tris HCl, 0.03% EDTA
Relevance	The cell death process during apoptosis is essential for normal tissue homeostasis and cellular differentiation in multi cellular organisms. Single stranded DNA (ss DNA) is produced by nuclear fragmentation during the early stages of the apoptotic process.
Cellular localization	Nuclear

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab229278 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ChIP		Use at an assay dependent concentration.

Application	Abreviews	Notes
In situ hybridization		Use at an assay dependent concentration.
Blocking		Use at an assay dependent concentration.

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