

## Product datasheet

# Anti-ISW1-N antibody ab43434

★ ★ ★ ★ ★ 2 Abreviews

### Overview

---

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-ISW1-N antibody   |
| <b>Description</b>         | Mouse polyclonal to ISW1-N   |
| <b>Host species</b>        | Mouse  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, ICC/IF, IP  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> <i>Saccharomyces cerevisiae</i>  |
| <b>Immunogen</b>           | Synthetic peptide corresponding to <i>Saccharomyces cerevisiae</i> ISW1-N aa 1-30. (NP_009804.1)<br>Sequence:<br>MAYMLAIANFHFFKFYTRMRKKHENNSCNE<br><br>Database link: <a href="#">P38144</a> |

 [Run BLAST with](#)

 [Run BLAST with](#)

### General notes

This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein.

A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an E.coli lysate containing that partial fusion protein.

Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

### Properties

---


|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | Constituent: 50% Glycerol   |

|                  |                 |
|------------------|-----------------|
| <b>Purity</b>    | Whole antiserum |
| <b>Clonality</b> | Polyclonal      |
| <b>Isotype</b>   | IgG             |

## Applications

Our [Abpromise guarantee](#) covers the use of **ab43434** 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   |
|-------------|---|---|
| WB          |  | 1/1000.<br>This antibody has been tested in Western blot against an E.coli lysate containing the partial recombinant fusion protein used as an immunogen. We have no data on detection of endogenous protein. |
| ICC/IF      |   | 1/1000.   |
| IP          |   | 1/1000.   |

## Target

### Relevance

Catalytic component of ISW1-type complexes, which act by remodeling the chromatin by catalyzing an ATP-dependent alteration in the structure of nucleosomal DNA. They are involved in coordinating transcriptional repression, activation and elongation phases. The ISW1A complex represses gene expression at initiation through specific positioning of a promoter proximal dinucleosome. The ISW1B complex acts within coding regions to control the amount of RNA polymerase II released into productive elongation and to coordinate elongation with termination and pre-mRNA processing

### Cellular localization

Nuclear

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors