

Product datasheet

Anti-ISW1-N antibody ab43434

★ ★ ★ ★ ★ 2 Abreviews

Overview

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

 [Run BLAST with](#)

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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

Form	Liquid
Storage instructions	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.
Storage buffer	Constituent: 50% Glycerol

Purity	Whole antiserum
Clonality	Polyclonal
Isotype	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. 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

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