

Product datasheet

Anti-SART1 antibody ab88583

3 References 3 Images

Overview

Product name	Anti-SART1 antibody
Description	Mouse polyclonal to SART1
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	full length human SART1, amino acids 1-800 (NP_005137.1).
Positive control	SART1 transfected 293T cell lysate, Jurkat cell lysate, HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.4 Constituent: 2.68% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab88583 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		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 90 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

Target

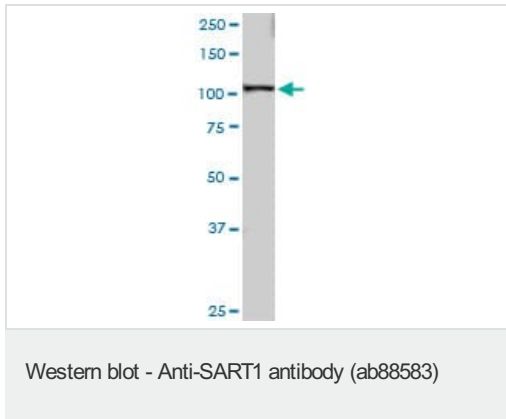
Relevance

SART1 encodes two proteins, the SART1(800) protein expressed in the nucleus of the majority of proliferating cells, and the SART1(259) protein expressed in the cytosol of epithelial cancers. The SART1(259) protein is translated by the mechanism of -1 frameshifting during posttranscriptional regulation; its full length sequence is not published yet. The two encoded proteins are thought to be involved in the regulation of proliferation. Both proteins have tumor rejection antigens. The SART1(259) protein possesses tumor epitopes capable of inducing HLA-A2402-restricted cytotoxic T lymphocytes in cancer patients. This SART1(259) antigen may be useful in specific immunotherapy for cancer patients and may serve as a paradigmatic tool for the diagnosis and treatment of patients with atopy. The SART1(259) protein is found to be essential for the recruitment of the tri snRNP to the pre spliceosome in the spliceosome assembly pathway.

Cellular localization

Nuclear

Images



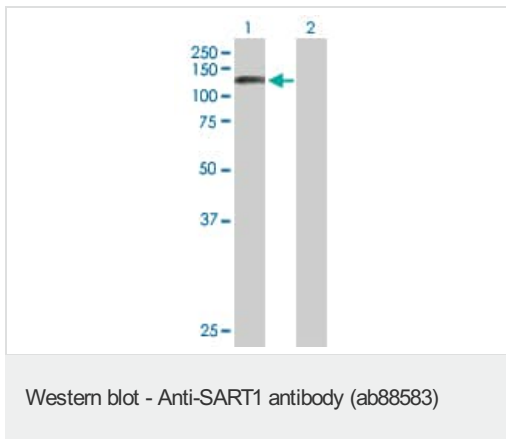
Anti-SART1 antibody (ab88583) at 1 µg/ml + Jurkat cell lysate at 50 µg

Secondary

Goat anti-Mouse IgG (H+L) HRP at 1/50000 dilution

Predicted band size: 90 kDa

Observed band size: 110 kDa



All lanes : Anti-SART1 antibody (ab88583) at 1 µg/ml

Lane 1 : SART1 transfected 293T cell lysate

Lane 2 : Non-transfected lysate

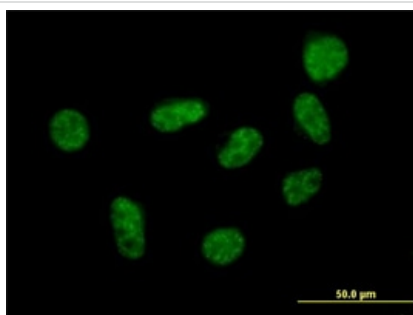
Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat anti-Mouse IgG (H+L) HRP at 1/5000 dilution

Predicted band size: 90 kDa

Observed band size: 130 kDa



ab88583 at 10μg/ml staining SART1 in HeLa cells by Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-SART1 antibody (ab88583)

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